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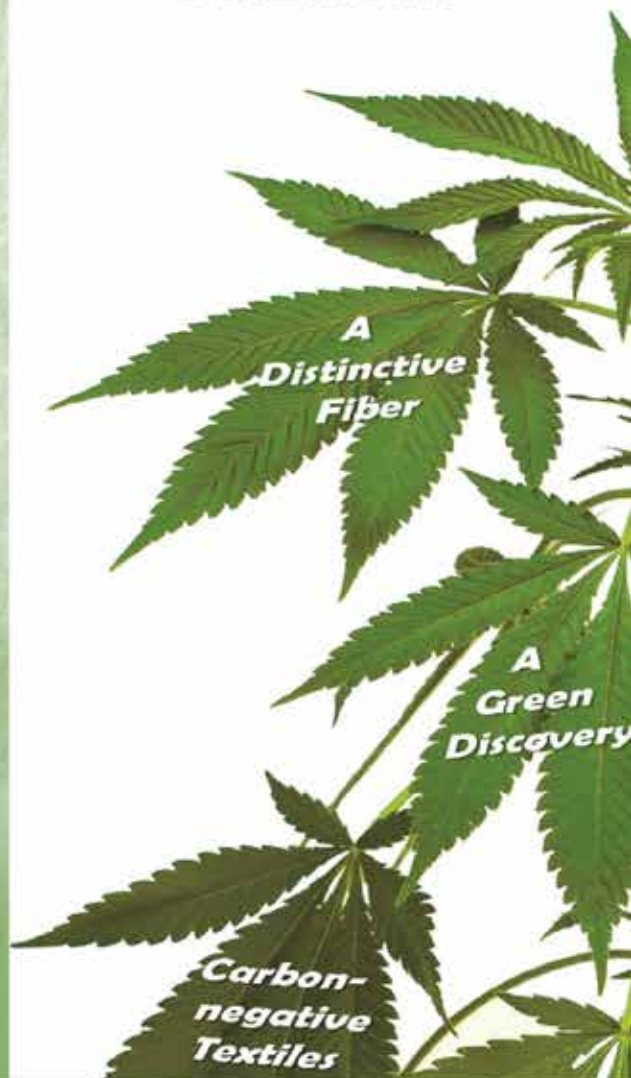
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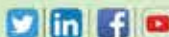
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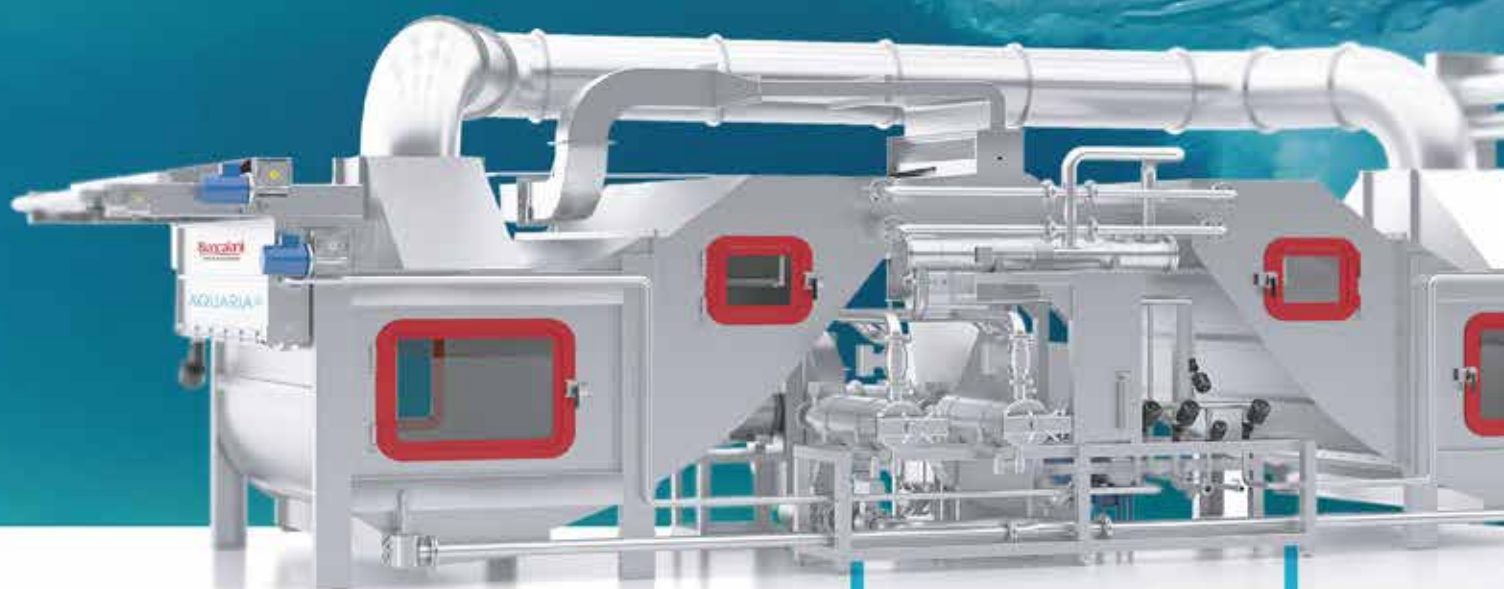
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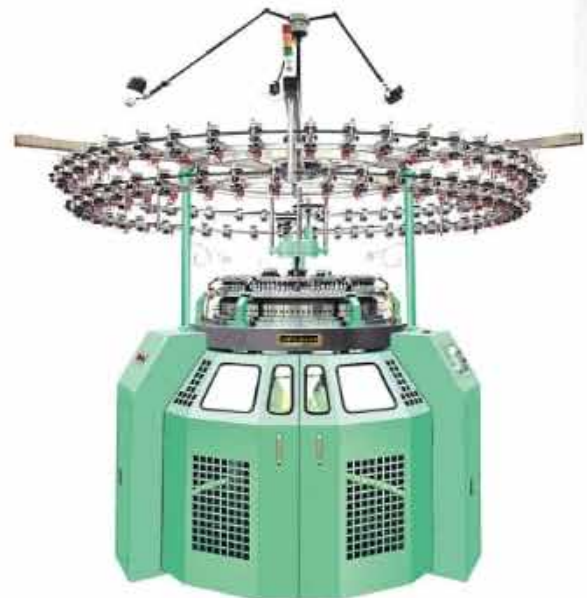
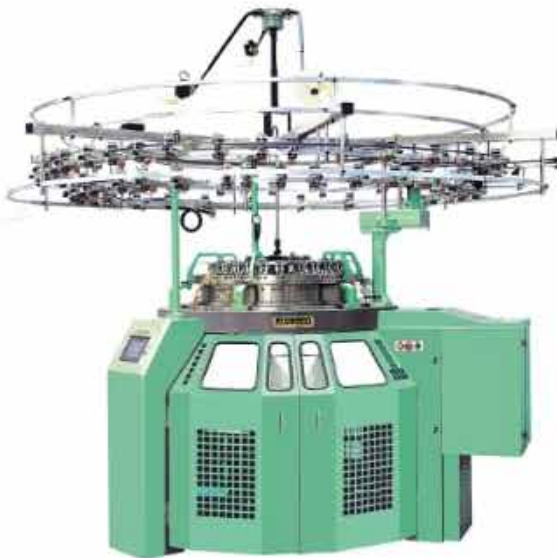
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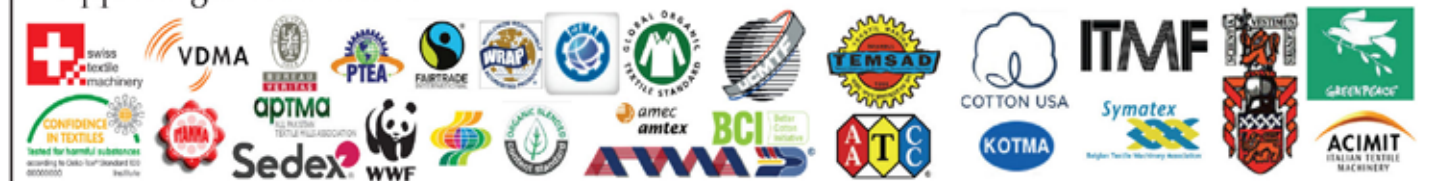
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Title Story



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editorial

Dear Readers,

Pakistan is a land with 442 spinning mills, 1260 ginning units, 2550 garment manufacturing companies, and 600 knitwear producing units. Textile products like carpets, rugs, towels, tents, home textiles, hosiery and apparels are manufactured here to be exported to countries like US, Hong Kong, United Kingdom, Germany, Italy, France, Netherlands, Dubai and Afghanistan. Textile is a strong pillar supporting the economy of Pakistan. Textile products and garments constitute almost 50 per cent of the total international exports, and accounting to almost 8.5 per cent of the GDP of the country employing 38 per cent of the production labour work force.

The spinning industry of Pakistan functions in a competitive but free environment as long as procurement and use of raw materials are concerned. Scarcity of crop led the sourcing of international cotton in Pakistan, which began a decade ago. Today, the nation approximately sources 3 million bales from the international market, and produces close to 11.5 million bales domestically.

However, there have not been enough efforts from the country's government in the matter of energy crisis. The government has not yet fulfilled the promise of installing continuous electricity and gas plants to boost power supply. This has affected the textile industry of Pakistan tremendously. Manufacturers had to move to alternative methods of producing electricity like generators and invertors, ultimately leading to rise in the costs of production. The shortage of electricity hence increased expenses and reduced profitability for textile exporters of the country. As a result of lack of power supplies many factories closed down and thousands of individuals remained unemployed.

Pakistan's textile and apparel industry also faces fierce competition from nations like India, China, and Bangladesh. Economic factors such as depreciation of the national currency, increasing interest rates, twin digit inflation, and rising cost of raw materials like cotton and yarn have also placed significant hurdles against the country. The inadequacy of a decent infrastructure, technology, latest machinery, and skilled labour force are also hampering the growth of the Pakistani textile industry. Adding to this are woes from political instability in the country and issues of internal security. These concerns are making foreign buyers worry and giving them reasons to source textile products and garments from Pakistan's neighbouring countries.

The country also needs to improve and comply with the international health and safety standards to impress its international buyers. Recently, Walt Disney terminated all garment orders with Pakistan based manufacturing units on the same grounds. As many as sixteen companies lost businesses worth \$ 150 million in the country. A

cascading effect of such an incident is a bad sign for the textile industry since, US imports textile products worth \$ 3.2 billion. Companies export in total \$ 1.2 billion worth of garments to brands like GAP, Levis Strauss, Nike, Wal-Mart, and Jones Apparel every year.

Enthusiastic Turnout and Support at Kingpins' Return in Amsterdam. More than 1200 guests and more than 600 companies from nearly 40 countries joined us for our recent Kingpins Show at SugarCity in Amsterdam. We are grateful for those who attended, exhibited and sponsored. We pulled out all the stops for this show — our first after more than two years of pandemic-related travel restrictions — to present upcoming trends and new developments and highlight best-in-class sustainability innovations for denim.

FESPA is a global federation of 37 national associations for the screen printing, digital printing and textile printing community. Paris 1963 was chosen as the venue for FESPA's first exhibition organised by the French Association.

Zurich 1966 was the next event and FESPA exhibitions were already becoming larger and more international. Each day of the exhibition was accompanied by a well-attended Technical Conference. The Olympia exhibition halls in London became the venue for FESPA 1968. For the first time this was organised by a professional company Batiste and not by the national association.

FESPA's Profit for Purpose initiative is an international reinvestment programme that uses revenue from FESPA events to support the global speciality print community to achieve sustainable and profitable growth. The doors to FESPA Global Print Expo and European Sign Expo 2022, Europe's leading exhibitions for speciality print, signage and visual communications, will open in just a few days (31 May – 3 June 2022 at Messe Berlin, Germany).

With over 350 confirmed exhibitors, the events offer the biggest and most comprehensive showcase of innovations in wide format, textile printing and sign-making technology, software, substrates and consumables since 2019, providing a vital springboard to the sector's recovery and long-term growth.

Leading suppliers including Agfa, Avery Dennison, Brother, Canon, Durst, EFI, EFKA, Fujifilm, HP, Mimaki and Nazdar Ink Technologies have trailed important product launches at the show, and visitors can expect to discover new technologies and consumables throughout all eight halls, with a clear emphasis on production efficiency, applications flexibility and sustainability.

WASEEM J. KHAN
Editor-in-Chief

GLOBAL TEXTILE AND CLOTHING NEWS

TURKIYE, KAZAKHSTAN TO ACHIEVE \$10-BN ANNUAL BILATERAL TRADE VOLUME



16 May '22

Turkiye and Kazakhstan recently announced continuing their solidarity on platforms like the United Nations Economic Cooperation Organisation and the Organisation of Turkic States. As Kazakh President Kassym-Jomart Tokayev arrived in Ankara on an official visit, President Recep Tayyip Erdogan said both sides will achieve their targeted \$10-billion in annual bilateral trade. Both the leaders addressed a joint press conference. "The trade volume between Turkiye and Kazakhstan rose 58 per cent from the previous year and exceeded \$5.3 billion. Thus, we have quickly surpassed

our target of \$5 billion," Erdogan said. "Now, hopefully, we will reach the target of \$10 billion just as quickly with the steps we take together," he said. Erdogan called over a dozen agreements signed between the two sides ahead of the press conference 'steps that will further strengthen the foundation of our relations'. The agreements cover such areas as transportation, the defense industry, military intelligence, information technology, culture, agriculture, trade, customs, environment, education, youth and communications. The visit comes as the countries mark 30 years of establishment of diplomatic ties in March 2, 1992.



RCEP TO IMPROVE VIETNAM'S ACCESS TO LARGE CONSUMER MARKETS: STANCHART

13 May '22

The Regional Comprehensive Economic Partnership (RCEP), which entered into force on January 1, 2022, is expected to boost Vietnam's exports and improve its access to large consumer markets including China, Japan, South Korea and Indonesia, and should lower costs for producers according to Tim Leelahaphan, economist for Thailand and Vietnam, Standard Chartered. The RCEP should give them access to supply chains that extend across the Asia-Pacific region as most of the input materials for Vietnam's exports are sourced from RCEP countries, he said. The membership in the pact further strengthens Vietnam's trade position and should contribute to the post-pandemic recovery this year. Major export categories that are expected to benefit from the RCEP include information technology, textiles, footwear, agriculture, automobile and telecommunications, the report said. Over the longer term, the deal could form the basis for a new supply chain in the region, with Vietnam playing a key role. The country targets average export growth at 6-7 per cent a year from 2021-30. "SMEs, which account for 98 per cent of all enterprises in Vietnam and contribute

40 per cent of GDP, are poised to benefit as the pact provides opportunities for them to move up the value chain," the report said. Over



time, this could prompt Vietnam to move into high-tech manufacturing, said the report. RCEP should facilitate this process, making it easier to source high-quality materials from other member countries and improving market access for higher-value-added goods. More broadly, the RCEP is likely to accelerate China's economic integration with the rest of the Asia-Pacific region; in contrast, the United States is not an RCEP signatory. Vietnam will continue to benefit from its role as an alternative manufacturing hub as companies adopt a 'China

plus one' diversification strategy. At the same time, however, China's low-cost products will gain better access to Vietnam's domestic mar-

ket under RCEP, posing potential challenges to domestic competitors, it added. Standard Chartered Bank's economists expect a strong current account (C/A) surplus and foreign direct investment flow to remain the key pillars of support for the Vietnamese dong over the long run. The RCEP is likely to further boost Vietnam's exports, supporting the C/A balance, and help attract increased direct investment flows.



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SENEGALESE COTTON FARMERS CAN'T AFFORD FERTILISER SANS LOW COST: USDA

12 May '22

The US department of agriculture (USDA) forecasts the area under cotton cultivation in Senegal for marketing year (MY) 2022-23 at 20,000 ha, an 11 per cent rise from the previous MY on expectations of a strong farm gate price and increased access to agricultural equipment and inputs. With substantially rising input prices, if a solution is not found to reduce fertiliser prices, many farmers will be unable to afford



sufficient fertiliser. The solution has to be found by banks, government and the Societe De Developpement des Fibres Textiles (SODEFITEX). This could result in a decrease in the area under cotton plantation. MY 2022-23 production is forecast to rise by 13 per cent to 45,000 bales assuming average rains, low pest pressure and appropriate fertiliser use. Private industry estimates 2021-22 area to remain the same as the previous year at 18,000 ha, USDA said in its Cotton and Products Annual report. MY 2021-22 cotton production is estimated up by 5 per cent at 40,000 bales due to an increased use of fertiliser enriched with calcium, a good crop protection programme, increase access to herbicides and the presence of technical sales advisors in the farms, allowing close supervision to producer. As with all other West African countries, farm gate prices and input prices have not been announced yet. For many years, the Senegal's subsidy has been applied to

the farm gate price and not the fertiliser price to avoid diversion to other crops. Senegal does not have any operating textile companies. So domestic consumption is assumed to be nil. MY 2022-23 export is forecasted to increase by 13 per cent at 45,000 bales compared to the previous year based on available supply. MY 2021-22 exports are estimated to decrease by 11 per cent at 40,000 bales due to less available supply, a consequence of a lower ending stocks the previous year. All the cotton fibre is exported through the Port of Dakar. In 2021, Senegal exported cotton mainly to India (92 per cent) and Turkey (6 per cent). Stocks for MY 2022-23 are forecast at 3,000 bales, the same as the previous year in anticipation of more exportable supplies. Private industry believes that the farm gate price may be increased from the previous year to motivate farmers to plant more cotton in MY 2022-23 despite rising fertiliser prices, the USDA report said.

COTTON AUSTRALIA TO ORGANISE CAMP COTTON 2022 IN MAY

19 Apr '22

A large group of executives from Australia's brands and retailers will leave for Camp Cotton 2022 in May, organised by Cotton Australia. The Camp Cotton participants will fly into Tamworth on May 11,



before heading to Gunnedah and then Boggabri for farm tours. More than 30 brand representatives and three fashion and textile not for profit organisations will take part in the tours. Cotton Australia's Cotton to Market programme will organise the two-day event so that those be-

hind selling Australian cotton products can learn from farmers how cotton is picked and grown sustainably. In addition, attendees will hear from researchers, ginners and agronomists – and they'll have a bit of fun along the way, including a dinner to meet local cotton farmers

and industry, Cotton Australia said in a press release. At this farm and industry tour, the participants will learn about the Australian cotton fibre most are selling to Australian consumers.

TEXTILE SECTOR EXPORTS JUMP OVER A QUARTER IN JULY-APRIL

May 15, 2022

Pakistan's textiles exports increased by more than a quarter in the first ten months of the outgoing fiscal on increasing international demand. Textile group exports in July-April 2021-22 were recorded at \$15.981 billion against \$12.688 billion in the same period last year, showing an increase of 25.96 percent, the Pakistan Bureau of Statistics (PBS) reported on Saturday. Textiles make over three-fifth of the country's total exports. In April 2022, sector exports stood at \$1.739 billion as compared to \$1.332 billion in the same month a year ago, a growth of 30.5 percent, while grew 7 percent over

the previous month. The exports of this group stood at \$1.625 billion in March 2022. In the textiles group, cotton yarn exports increased 22.1 percent during the period to \$1.01 billion compared to \$823.95 million in the same time last year. The exports decreased 4.95 percent in April 2022 to \$97.655 million from \$102.736 million in the same month last year. Cotton cloth exports increased 26.8 percent to \$2.0 billion, knitwear 35 percent to \$4.22 billion, bedwear 19 percent to \$2.7 billion, towels 19.4 percent to \$927.9 million, readymade garments 28 percent to \$3.2 billion and made-up articles' exports in-

creased 13 percent to \$710 million in these ten months. During these 10 months, construction and mining machinery imports increased 33.19 percent to \$151.852 million compared to \$114.012 million in the same period last year. Rice export also increased 20.3 percent to \$2.05 billion, of which basmati exports increased 22 percent to \$574 million. During July-April 2021-22, Pakistan's total imports surged to a whopping \$65.5 billion, while exports clocked in at \$26.23 billion. In the same period of the last fiscal, imports stood at \$44.73 billion and exports at \$20.91 billion. This translates into a 25.46 percent growth in



exports and a 46.4 percent increase in imports. The trade deficit widened 65 percent to \$39.26 billion.

Meanwhile, PBS in a press statement said the main commodities of exports during April 2022 were knitwear (Rs90,096 million), readymade garments (Rs64,669 million), bed wear (Rs51,398 million), cotton cloth (Rs38,763 million), towels (Rs19,974 million), cotton yarn (Rs18,016 million), made-up articles (excluding towels and bedwear) (Rs15,277 million), rice basmati (Rs15,198 million), other rice varieties

(Rs32,704 million), and surgical goods and medical instruments (Rs8,067 million). Main commodities of imports during April 2022 were petroleum products (Rs232,765 million), petroleum crude (Rs98,427 million), LNG (Rs71,072 million), palm oil (Rs67,840 million), plastic materials (Rs51,678 million), mobile phone (Rs39,460 million), raw cotton (Rs38,533 million), iron and steel (Rs35,157 million), iron and steel scrap (Rs32,751 million), and electrical machinery and apparatus (Rs28,572 million).

INFLATION IN TURKIYE CLIMBS TO NEARLY 70% IN APRIL 2022

15 May '22

Turkiye's annual inflation rate rose to nearly 70 per cent in April—a new 20-year high—fuelled by the Russia-Ukraine war and rising energy and commodity prices, according to official data, which showed the consumer price index (CPI) surged by an annual 69.97 per cent last month—the biggest year-over-year (YoY) increase since 2002 and up from 61.1 per cent in March.

The annual consumer price inflation was forecast to be around 68 per cent. Month-on-month, consumer prices rose by 7.25 per cent, the institute said, compared to an average market forecast of 6 per cent. Russia's invasion of Ukraine, which led to a surge in gas, oil and grain prices, has compounded the situation in import-reliant Turkey, according to media reports from the country. The annual surge in consumer prices in April was driven by a 105.9 per cent leap in the transportation sector, which includes energy prices, and an 89.1 per cent jump in food and non-alcoholic drinks prices, the data showed. The



government has said inflation will fall under its new economic programme, which prioritises low interest rates to boost production and exports with the goal of achieving a current account surplus. Türkiye's Central Bank recently revised up its inflation forecasts for this year and the next mainly because of the rise in commodity prices and supply issues. It forecast annual inflation will peak at around 70 per cent by June before declining to near 43

per cent by year-end and single digits by end-2024. The central bank held its key policy rate steady at 14 per cent in four meetings this year and said measures and policy steps will prioritize so-called liraization in the market. Compared to general CPI, lower annual change was observed in nine main groups while three main groups were higher. It was 26.23 per cent for clothing and footwear.



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NANOLLOSE, PARADISE TEXTILES LTD PARTNERS FOR DEVELOPMENT OF NULLARBOR YARNS AND TEXTILES

18 May 2022,

Nanollose Limited, a leading bio-materials company focused on commercializing scalable technology to create fibers and fabrics with low environmental impact, announced the signing of a Collaboration Agreement with Paradise Textiles Limited ("Paradise"), a technology first, material science and innovation business working to reinvent the fabric of fashion.

Alpine Company's award-winning garment manufacturing group, Paradise, brings to market carefully made materials through its innovation center. The Alpine Group was started in Taiwan in 1981 and has since expanded to



include activities in the United States, Singapore, Egypt, Jordan, Dubai, Taiwan, and China. Alpine Group will be the first apparel manufacturing group to take on the Future Fit Benchmark (a science-based strategic management tool that aligns with the UN Sustainable Development Goals) to achieve its goal of making fashion fit for the future and is a trusted partner to some of the biggest brand names in apparel, including The North Face, Sweaty Betty, American Eagle Outfitters, Under Armour, and Abercrombie and Fitch. Nanollose and Paradise will collaborate closely under the Collaboration Agreement to develop and manufacture yarns and fabrics integrating Nanollose's Tree-Free and Forest-Friendly Nullarbor fibres. Nanollose will supply Paradise with an initial 135kg of Nullarbor-20TM, and Paradise will transform this fiber into a range of yarns and fabrics for distribution to chosen clothing producers and fashion designers. If the partnership is successful, the parties will endeavor The agreement's term is one year from the date of execution until the conclusion of the development period, whichever comes first. Either party may terminate the agreement with at least three months' written notice. Executive Chairman, Dr

Wayne Best, said that he is delighted that Nanollose will be working with Paradise Textiles to produce a variety of yarns and textiles from our Nullarbor fibers. The relationship allows them to work with another organization that shares their objective for more sustainable fashion industry. The creative capabilities and knowledge of Paradise will help them to create novel, sustainable, and high-quality materials that are consistent with the fiber itself. The partnership will also create the amount and diversity of samples that brand partners want. As they continue to develop negotiations with more collaborators, they look forward to updating shareholders on their progress. Ashok Mahtani, Co-Founder and Chairman of Paradise Textiles and the Alpine Group, said that they're thrilled to be collaborating with Nanollose. Sustainability has been a key value of the Group for the past 40 years. Collaborations like our newest with Nanollose are vital in helping them jointly fix fashion's flawed business model as they seek to realize their goal of making fashion fit for the future. Sustainable material innovation and lowering the industry's environmental effect are critical to their planet's future, and they look forward to seeing the fruits of their collaboration.

DG OKONJO-IWEALA SHARES VIEWS WITH INTERNATIONAL AGENCY HEADS ON KEY ISSUES AHEAD OF MC12



13 May 2022

In meetings this week with the heads of leading UN System international agencies, WTO Director-General Ngozi Okonjo-Iweala said that cooperation on trade would be critical to addressing global challenges such as high food prices and the ongoing pandemic and urged them to support WTO members' efforts to deliver results at the upcoming 12th Ministerial Conference (MC12), to be held between 12-15 June 2022 in Geneva. The Director-General attended the spring session of the United Nations Chief Executives Board (CEB) for Coordination in Vienna on 12 May 2022. This is the first time that the

UN Secretary-General, António Guterres, who chairs the Board, convened an in-person session of the CEB since the start of the COVID-19 pandemic. The CEB meeting in Vienna was an opportunity for the DG and her counterparts to exchange views on global challenges and their possible solutions. During a conversation on the state of the world, DG Okonjo-Iweala pointed to the ongoing crises in international security, food, environment and climate, public health, and the world economy. She noted that the WTO had had to downgrade its trade forecast, with merchandise trade volumes now projected to grow 3% in 2022, compared to the 4.7%

forecasted last October. Despite the economic and political headwinds facing trade, the DG said that "trade is very much part of the mix of policy solutions required to deliver the equitable growth, job creation, and environmental sustainability people around the world need. She added: "Delivering such results is critical for rebuilding public confidence in international cooperation and multilateral institutions. This is why I have been urging governments to invest in the multilateral trading system and the WTO – starting with a successful 12th Ministerial Conference in Geneva next month." DG Okonjo-Iweala also highlighted the WTO's partnerships in the UN Sys-



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tem and contribution to the UN High Level Political Forum (HLPF) on Sustainable Development. The CEB is headed by the UN Secretary-General and is composed

of the executive heads of UN agencies, funds, and programmes and the executive heads of the IMF, the WBG and the WTO.

3 WEEKS UNTIL FESPA GLOBAL PRINT EXPO 2022: INDUSTRY GETS READY TO PUT PRINT BACK IN MOTION

IN 3 WEEKS' TIME, FESPA GLOBAL PRINT EXPO AND EUROPEAN SIGN EXPO 2022 WILL OPEN AT MESSE BERLIN, GERMANY, READY TO SET SPECIALITY PRINT AND SIGNAGE BUSINESSES BACK IN MOTION.

05/05/2022

340 international suppliers are now contracted to exhibit, among them are many key industry players who were unable to participate in 2021 including Epson, Fujifilm, MHM and M&R.

Michael Ryan, Head of FESPA



Global Print Expo, comments: "Excitement is building as we get closer to the event, and the recent news that COVID restrictions have been lifted in German venues has delivered another strong surge in exhibitor interest. With 340 confirmed exhibitors, we'll be opening a show with almost double the number of companies that were present in Amsterdam last year, so visitors can be sure of finding the products and business solutions they need to fuel their recovery and growth."

Many exhibitors are signalling the launch of new technologies and consumables including: the Jeti Tauro H3300 HS LED hybrid inkjet printer and the Avinci CX3200 dye-

sub printer from Agfa; PVC-free digitally printable wrapping film from Avery Dennison; the GTXPro, a new product in Brother's GTX industrial direct-to-garment printer range; the new Reggiani Terra Silver entry-level industrial textile printer from EFI; and the 330 series of wide format inkjet printers from Mimaki. Durst, Canon, EFKA, Fujifilm, HP and many others have also flagged new product and technology upgrade announcements to come at the show. Visitors will enjoy a comprehensive live event programme including the all-new Sustainability Spotlight conference area and Associations Pavilion applications showcase, as well as the Printeri-

ors interior décor feature and Wrap Masters vehicle wrapping event. COVID restrictive measures on the German event industry were lifted from 1st April 2022, enabling the live FESPA events in Berlin to go ahead without restrictions on visitor numbers or density, social distancing or the requirement to wear face masks. In line with the relaxation of COVID restrictive measures on the German event industry, there are no longer any testing requirements or checks to enter Messe Berlin or the FESPA exhibition. Participants do not need to show that they are vaccinated, recently recovered or have tested negative for COVID-19 to enter the exhibition. Visitors can

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also rely on enhanced cleaning regimes and prominent hand sanitising facilities throughout the Messe Berlin halls. To reduce physical touchpoints, visitors will be encouraged to hold their entry badges on their phones. "Without COVID-19 restrictions and with a first-class exhibitor line-up, we can get back to delivering the full experience print and sign professionals expect from a FESPA event", concludes Michael Ryan. "The mood in our community towards live events is buoyant and that's mirrored in pre-registration. The vibe is good,

the appetite for innovation and connection is strong, and we can't wait to energise print's recovery." For further information and frequent updates on health and safety at the exhibition, visit here. To find out more about FESPA Global Print Expo 2022 and to register to attend, visit here. Entry is free for members of a FESPA national Association or FESPA Direct. The cost of entry is €50.00 for non-members who pre-register using code FESM232 before 25th May.

INTENSE APPLICATIONS FROM PROCUREMENT COMMITTEES WHO WANT TO ATTEND ITM 2022

THE COUNTDOWN HAS BEGUN FOR ITM 2022, THE FIRST MAJOR INTERNATIONAL TEXTILE MACHINERY EXHIBITION TO BE HELD AFTER A 3-YEAR BREAK DURING THE PANDEMIC PERIOD. THOUSANDS OF VISITORS FROM ALL OVER THE WORLD, WHO ARE GROWING IMPATIENT TO COME TO THE ITM 2022 EXHIBITION, WHERE LEADING TEXTILE TECHNOLOGY BRANDS WILL REALIZE THEIR WORLD LAUNCHES, MAKE INTENSE APPLICATIONS TO THE TURKISH CONSULATES AND COMMERCIAL ATTACHES IN THEIR RESPECTIVE COUNTRIES.

Organized by the partnership of Tüyap Fairs and Exhibitions Organization Inc. and Teknik Fairs Inc., the ITM 2022 International Textile Machinery Exhibition will be held at Istanbul Tüyap Fair and Congress Center on 14-18 June 2022. The fact that the ITM 2022 Exhibition, one of the most important organizations in the world in its field, will bring together the textile technology leaders in Istanbul after a long mandatory break due to the pandemic measures excited the textile industry. Hundreds of domestic and international exhibitors are looking forward to presenting their newest technologies for the first time at the ITM 2022 Exhibition. Leading textile machinery manufacturers, global sector investors, and profes-

sional visitors are planning to come to the ITM 2022 Exhibition to examine the latest technologies closely. Trade committees from dozens of countries are requesting to attend the ITM 2022 Exhibition, which is included in the 'Domestic Organizations Covered by State Incentives' list by the Ministry of Commerce. Bangladesh, India, Iran, Serbia, Czech Republic, Pakistan, Indonesia, Ethiopia, Malaysia, Mexico, Egypt and Vietnam are among the countries that requested procurement delegations.

Countries Having Visa Agreements with Turkey Will Increase the Number of Visitors to the Exhibition

The intense application of visitors to consulates and commercial attachés from all over the world clear-

ly reveals that ITM 2020 will host a large number of visitors. Thousands of visitors from Europe, Central Asia and Arab countries, especially the Turkic Republics, will visit the ITM 2022 Exhibition to be informed about the latest trends in textile machinery. The visa agreement between Turkey and many countries such as India, Pakistan, Bangladesh, Indonesia, Vietnam, Egypt, Algeria, Tunisia, Morocco, Iran, Uzbekistan and Turkmenistan will be effective in increasing the number of visitors. Leading Textile Technology Brands to Make their World Launches at ITM 2022 The ITM 2022 Exhibition is of great importance for Turkish textile machinery and accessories manufacturers to increase their competitiveness in exports and to



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sign collaborations that will result in worldwide exports. Leading textile technology brands, which focus on product development and new productions during the pandemic conditions, are looking forward to the ITM 2022 Exhibition to present their products to the market and introduce them to their customers face to face. More than 300 manufacturers will make the world launches of their latest technological innovations at the ITM 2022 Exhibition.

GARTEX TEXPROCESS INDIA'S MUMBAI LAUNCH TO HIGHLIGHT ADVANCED AND SUSTAINABLE GARMENT MANUFACTURING TECHNOLOGIES

The dates of the first Mumbai edition of Gartex Texprocess India are drawing closer. Jointly organised by Messe Frankfurt India and MEX Exhibitions, the trade fair aims to accelerate technological advances in the Indian textile and garments industry through a showcase of innovative and competitively-priced products from over 120 exhibitors. An exclusive Denim Talks series to present Digital manufacturing and Bio Dyeing technique for the first time in India while the first-ever Flash dyeing technique of indigo will be made public at this key textile industry gathering. Raising the momentum created by its New Delhi edition, Gartex Texprocess India is all geared up for its Mumbai launch which will take place from 12 – 14 May 2022 at the Jio World Convention Centre in BKC. With Denim Show, Fabric & Trims Show and Screen Print India being hosted under its umbrella, Gartex Texprocess India 2022 will display innovations in textile and garment making machinery, denim, trimmings and screen-printing verticals. Brands including Baba Textile Machinery (India) Pvt Ltd, Balaji Sewing Machine Pvt Ltd, Cotton Council International, EH Turel & Company, Felix Schoeller, Gayatritex Engineers Pvt Ltd, Golden Laser India Pvt Ltd, Mehala Machines India Limited, Orange O Tec Pvt Ltd, Ramsons Garment Finishing Equipment Pvt Ltd, Sera Machines, Sky Enterprises, Sewco Garment Solutions Pvt Ltd and Zoje will demonstrate their prowess in manufacturing technologies. The exhibition will attract apparel brands, design studios, fashion designers and mer-

chandisers, trade body representatives, distributors, garment and textile machinery importers, exporters, wholesalers and many more under its roof. Extending strong support to the platform and highlighting the Ministry's approach to incentivise local innovation, said Shri Vijoy Kumar Singh, Additional Secretary, Ministry of Textiles – Government of India, stated: "I am glad to know that Messe Frankfurt India and MEX Exhibition are organising the first edition of Gartex Texprocess India 2022 in the financial capital of India after successfully hosting the Show in Delhi last year. I had an opportunity to inaugurate the Delhi edition and visited the exhibition in person after such a long time of pandemic which stalled all the activities "It has been our experience that textiles industry is majorly dependent on imported machines. There is a need to make most of the machines manufactured in India particularly in light of current disruption of world logistics services. We in Ministry of Textiles are currently formulating a scheme for incentivising manufacturing of textiles machinery in India. The approach is to incentivise local innovation and at the same time invite eminent manufacturers to set up ventures locally." Apparel Export Promotion Council (AEP), Retailers Association of India (RAI), Denim Manufacturers' Association (DMA) and the Gujarat Garment Manufacturers' Association (GGMA) are among the other top industry bodies extending support to the three-day exhibition.

- **Go Green machine by Ramsons executes wet processing of garments with extreme efficiency and sustainability**
- **The TS 1800 Digital Thread Dyeing System by Orange-O-Tec dyes thread in millions of colours on demand with precision**
- **Mehala will showcase The Procut 1800 from Bullmer – A highly-precise automatic cutter for large quantities of apparel.**
- **The R6000 digital feeding smart lockstitch machine by Bruce.**

Top denim brands sign-up for Denim Show 2022 India's leading b2b exhibition for denim, Denim Show 2022

India's leading b2b exhibition for denim, Denim Show 2022 will be held in Mumbai for the very first time and aims to showcase innovative, fashionable and sustain-

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able trends in the world of denim. Supported by Denim Manufacturers' Association, the platform will enable India's biggest denim brands and mills to reunite under its platform. Hyosung India, Jindal Worldwide, Arvind, Ginni International, Raymond UCO Denim, Bhaskar Denim, LNJ Denim, Oswal Denims, KG Denim, Nandan Denim, and Ashima Group are some of the illustrious brands raring to showcase their latest denim collections at the exhibition. Supported by Denim Manufacturers' Association, the platform will enable India's biggest denim brands and mills to reunite under its platform. Hyosung India, Jindal Worldwide, Arvind, Ginni International, Raymond UCO Denim, Bhaskar Denim, LNJ Denim, Oswal Denims, KG Denim, Nandan Denim, and Ashima Group are some of the illustrious brands raring to showcase their latest denim collections at the exhibition. The Denim Show and the Indigo World have also collaborated with artisans from Adiv Pure under the expert guidance of Rupa Trivedi. Neelpatra shall provide the material support by sourcing natural Indigo which is the foremost and truest sources of one of the most enigmatic colours in the world. Through this workshop, Neelpatra aims at bringing a change in the lifestyle of the people and help them go natural and ethical for a more sustainable future through this precious dye. They have carefully curated an experience where

one can dye a piece of fabric by dipping it into a vat of natural indigo dye with their own hands. This shall not just educate one about the extraction of natural indigo, the preparation of indigo vats and the process of dyeing the fabric, but also witness and the surreal transformation the fabric undergoes once taken out of the vat. Denim Talks to discuss a series of original and eye-opening industry themes. For the very first time in India, topics like flash dyeing of indigo, Digital manufacturing and bio dyeing and Sustainability initiative by Levi Strauss will be discussed at 'Denim Talks' that is scheduled on 13 May 2022. The one-day conference will play an incredible role in highlighting technical innovations & 'green' initiatives in the denim manufacturing sector by uniting denim industry stakeholders and thought leaders under a common platform. Fabric & Trims Show to highlight the fashionable elements of garment production. Evolving fashion trends demand variety in every aspect of garmenting. Today, the quality and aesthetics of any finished apparel depends on the selection of the right fabric, styling, embellishments and manufacturing process. Tending to these new demands, Fabrics & Trims will feature fabrics, trimmings, embellishments and accessories for apparels of the future. It will feature apparel enhancing features and products, such as: After a promising response at its first

post-pandemic edition in New Delhi last year, Screen Print India 2022 is gearing up for its next edition in Mumbai. Showcasing new technological capabilities in digital textile and screen-printing, the exhibition will bring leading brands in to demonstrate their manufacturing technologies for screen printing, digital sublimation, heat transfer and textile printing, garment decoration to potential business visitors and traders. Brands like Dhaval Color Chem Pvt Ltd, Konica Minolta, Skyscreen International Pvt Ltd., Stovec Industries, Epson India Pvt Ltd and many more will be a part of this edition.

- Sustainable water-based Ready Made print paste by SCHUTZEN Chemical Group for discharge style of printing on pre-reactive dyed cellulose substrate
 - JETVARNISH 3DS with iFOIL S by Konica Minolta executes high-speed Hot Foil Stamping in house, with virtually no set up and personalised finishing
 - Launch of Ready-to-Print Stencil Systems by SKYSCREEN
 - The DART digital printer by Stovec Industries with reliable print heads for sharp images, vibrant colours and smooth gradations.
- Together, the concurrently held exhibitions will provide an all-inclusive platform for the stakeholders of textile, garment and screen-printing industry, to discover new manufacturing capabilities in their respective verticals.


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TECHTEXTIL, TEXPROCESS AND HEIMTEXTIL SUMMER SPECIAL: BUNDLED RE-START FOR GLOBAL TEXTILES FAIRS IN FRANKFURT

7 Apr 2022

Frankfurt am Main, 06 April 2022.

Techtextil, Texprocess and the Heimtextil Summer Special open their doors in Frankfurt am Main from 21 to 24 June. After the Corona-related break, exhibitors and visitors are looking forward to personal interaction. Numerous innovations and further developments await the global trade public. The trade fairs taking place in parallel cover textile value chains from textile fibers and processing to the end product.

With Techtextil, Texprocess and the Heimtextil Summer Special, Messe Frankfurt brings textile value chains together at its exhibition center. After two years of the pandemic, we are finally able again to look forward to new international face-to-face contacts, inspiring business encounters and a holistic, bundled and efficient market overview. In parallel, the D2C Neonyt Lab (24 - 26.6.2022) of Messe Frankfurt and numerous public events of Frankfurt Fashion Week, organized by the City of Frankfurt, are planned to take place in the city itself. This offers unique synergies all at one location. Exhibitors benefit from cross-selling opportunities and can establish business relationships in entirely new constellations. In one place, visitors will find global trends, products and innovations along textile value chains. The range spans from yarns and fibers

to functional textiles, textile technologies and finishing processes to end products for textile furnishings, performance textiles, functional clothing and fashion. In the context of the increasing awareness of a sustainable circular economy, modern recycling processes will also be presented.

With regard to the current Corona measures, the events can take place without capacity and admission restrictions and thus without proof of vaccination. Hygiene measures such as online ticketing, fresh air supply, generous hall planning and intensive cleaning processes will continue to be implemented.

TEXPERTISE NETWORK: THE GLOBAL INDUSTRY UNDER ONE ROOF

As a framework for Messe Frankfurt's overall global range of textile trade fairs, Texpertise Network offers valuable information on textile trade fair brands with 58 events worldwide and, as a platform for networking and exchange, constantly focuses on the latest resource and climate friendly developments in the industry.

"The last two years have shown: As the world market leader for textile trade fairs, we have a great responsibility for the industry. In this role, we have successfully accompanied the textile industry through the crisis. Through our worldwide events, we have not only been able to maintain orientation and global

business relationships in the market in uncertain times - but also our top position," explained Detlef Braun, Member of the Executive Board, Messe Frankfurt, at the joint press conference. Recent global trade show highlights ahead of the strong re-launch in Frankfurt include Texworld Evolution Paris in February 2022, Interior Lifestyle in Tokyo in June 2022, and six other "Techtextil" and "Texprocess" brand events in North America and Asia.

Since 2019, the Texpertise Network has been the link for Messe Frankfurt's cooperation with the Conscious Fashion and Lifestyle Network and the United Nations Office for Partnerships. The common goal: to make the UN Sustainable Development Goals (SDGs) visible at all Texpertise Network textile events worldwide. Dirk Vantyghem, Director General at the European Apparel and Textile Confederation EURATEX, also gave an outlook on the further development of the textile industry in the joint press conference: "With the EU Textiles strategy now published, we have a clear roadmap ahead of us, how the European textiles industry will need to transform. The gathering in June will be an excellent occasion to present this roadmap, and get the necessary input from textile companies on the ground." Heimtextil Summer Special: global commitment and personal business Heimtextil will be held in June as a

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one-time Summer Special with 800 announced exhibitors and a high level of international participation from 47 countries. Both the international high-volume business and the retail trade are focus topics of the summer edition. Retailer-oriented suppliers can be found specifically in advance via the exhibitor search. Exhibitors with innovative textile solutions in the field of contract textiles will also be showing their new products in the summer. Beginning on June 21, the "Interior.Architecture.Hospitality TOURS" will be held - curated by AIT magazine, the bdia association of interior designers and the World-Architects network. This summer's Heimtextil Trends "Next Horizons" has a clear focus on sustainability and resource conservation – located at the center of the exhibition grounds in Hall 4.0. The layout of the area is based on the Material Manifesto: local resources, environmentally friendly or loaned materials will be used for the stand design. Visitors can expect inspiring stagings of colors, materials, curated exhibitor exhibits, lectures and DIY activities. In the latest episode of the Heimtextil podcast, curator Anja Bissard Gaede also looks at the trends from a very special angle and gives retailers practical preparation basics for their visit to the trend area.

Another highlight are the one-hour Green Tours with an independent consultant to selected exhibitors with an exchange on the latest developments in the green segment. In the Green Village in Hall 3.0. experts for sustainable textile certifi-

cation will be exhibiting, including the Blue Angel or the Green Button. Exhibitors with sustainable products can be found online via search. On site, their stands are marked with a leaf. The common goal of the cooperation with international partners is an increasing visibility of the SDGs at Heimtextil.

TECHTEXTIL AND TEXPROCESS AWAIT WITH INNOVATIONS

From June 21 to 24, 2022, exhibitors will present their innovations in the field of technical textiles and non-wovens as well as the processing of textile and flexible materials at the leading international trade fairs Techtextil and Texprocess. More than 1,100 exhibitors from 45 countries, numerous joint stand participants and 13 international pavilions are looking forward to presenting their products to an international trade audience. Techtextil and Texprocess highlight innovations, new processes and developments and progressive approaches with a view to sustainability. These include new production processes, materials and machinery. "Exhibitors and the public set high expectations for Texprocess, the leading trade fair. After a break of three years, exhibitors present their developments to an international audience and anticipate investments. Visitors are looking forward to innovative solutions for more sustainable, more flexible and also more regional production. Texprocess drives the industry forward and finally enables personal exchanges and the forging and strengthening of busi-

ness relationships once again," says Elgar Straub, Managing Director of the VDMA Textile Care, Fabric and Leather Technologies Association. With twelve application areas, Techtextil promises a wide variety and breadth of product offerings as well as innovative strength on the part of suppliers – from car makers, fashion designers, medical technology specialists to industrial specialists. Exhibitors at Techtextil offer innovative materials for all requirements. For the first time, a Digital Extension of the two trade fairs will be offered. This enables visitors who cannot attend in person to experience Techtextil and Texprocess digitally and to exchange ideas in a virtual space. Exhibitors benefit from an additional digital presence alongside their stand on the exhibition grounds. For around four weeks, from June 13 to July 8, 2022, the Digital Extension will be available before, during and after the trade fair days. Sustainability@Techtextil and Sustainability@Texprocess will once again focus on the topic of sustainability this year. Innovative and sustainable materials and their ecological processing with minimal waste and water consumption as well as digital solutions will be presented and awarded at the trade shows. Many highlights await visitors on-site and digitally. These include the Techtextil and Texprocess Forum, the Techtextil and Texprocess Innovation Award or the areas for international start-ups. Techtextil, Texprocess and the Heimtextil Summer Special will take place from 21 to 24 June 2022.



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PARTICIPANTS EMBRACE RENEWED FACE-TO-FACE BUSINESS WITH GLOBAL LEADERS IN NONWOVENS & ENGINEERED MATERIALS AT IDEA 2022 AND FILTXPO



April 4, 2022

Approximately 5,000 participants embraced the opportunity to again engage in face-to-face business meetings with global leaders in nonwovens and engineered materials at IDEA® 2022 in Miami Beach, Fla., collocated with the second

FiltXPO™, North America's only exhibition and conference dedicated exclusively to filtration and separation. Both events were successfully held March 29-31 at the Miami Convention Center. Industry participants at IDEA® 2022, the 21st edition of the world's preemi-

nent event for nonwovens and engineered fabric professionals, expressed their business confidence through the floor exhibits and the return to face-to-face business interaction. Scott Beir, Executive Officer, CFM Global, called IDEA® 2022 "an exceptional show."



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Bob Usher, Technical Director, US Fibers, added that his company made valuable business connections. According to Rolk Kammermann, Head of Sales and Marketing, Innovative Swiss Made Nonwovens, “the size and scope of IDEA and FiltXPO have been excellent for us as both exhibitors and as visitors.” Organized by INDA, IDEA® also featured five essential nonwovens training classes; market presentations from China, Asia, Europe, North America and South America; industry recognitions with the IDEA® Achievement Awards and the IDEA® Lifetime Achievement Awards; and a welcome reception celebration. Also, organized by INDA, FiltXPO™ featured five panels of global leaders in filtration and separation for the first-ever “Summit for Global Change,” discussing societal challenges such as indoor air quality, environmental sustainability, pandemic readiness, clean water, and filtration standards. The event also featured a 1.5-day filter media training course, and sessions highlighting filter media market trends and filtration industry statistics.

In-Person Events Applauded

Exhibitors and attendees noted the welcome return to meeting face-to-face among industry senior leaders participating in the three-day event. “While most professionals have now become accustomed to the greater flexibility working from home provides, and conducting Zoom or Team meetings, there’s no

substitute to meeting face-to-face and in person,” INDA president, Dave Rousse said. “The event attracted a high level of participation among key decision makers despite lingering travel restrictions, which is a testimonial to the show’s importance within the international nonwovens and engineered materials industry.” A highlight of IDEA® was the announcement of the IDEA® Achievement Awards by INDA, in partnership with Nonwovens Industry magazine. Moderated by Rousse and Karen McIntyre, Editor, Nonwovens Industry the awards recognize the leading introductions in equipment, raw materials, short-life, long-life and nonwovens products, and sustainability, since the previous IDEA® Exposition in 2019. In addition, INDA presented the IDEA® 2022 Lifetime Achievement Award to Val Hollingsworth, board chair and CEO of Hollingsworth & Vose, and Nonwovens Industry presented the IDEA® Entrepreneur Achievement Award to Doug Brown, president of Biax-Fiberfilm/5K Fibres at the event.

IDEA® 2022 Achievement Awards winners:

This easy-to-use closed-loop feedback manufacturing solution, where the fixation of the elastic threads is accomplished with ultrasonic energy, offers a wide process window, without the need for adhesives or tool changeovers, at processing speeds above 2,000 ft./min. IDEA® Raw Material Achievement Award – ODOGard – Rem Brands, Inc. A revolutionary advancement

in odor elimination using molecular bonding to malodors. Malodors are permanently attached to the ODOGard® molecule, changing them permanently into non-odorous molecules. IDEA® Short-Life Product Achievement Award – LifeSavers Wipes – LifeSavers LLC LifeSavers Wipes are personal hygiene wipes that change color if they detect abnormal health indicators in urine. and Blue Ocean Closures Blue Ocean Closures partnered with Glatfelter and ALPLA to develop an alternative to metal and plastic screw caps. The two companies have accelerated producing sustainable and environmentally-friendly packaging solutions. The companies optimized renewable and recyclable wood fibers and air-laid materials to create paper-based screw caps that are durable, strong, and water-resistant. IDEA® Nonwoven Product Achievement Award – HYDRASPUN® Aquaflo – Sustainable Nonwoven Substrates – Suominen Corporation Suominen’s latest moist tissue product, HYDRASPUN® Aquaflo achieves dry tissue dispersibility through a proprietary blend of 100 percent sustainable cellulosic materials, minimizing environmental impact. IDEA®, the Pre-eminent Event for the Nonwovens & Engineered Fabrics Industry, will next be held on its new 24-month schedule on April 23-25, 2024 in Miami Beach, Florida.



STFI WITH SUSTAINABLE AND DIGITAL INNOVATIONS AT TECHTEXTIL 2022

10 May 2022

The Saxon Textile Research Institute (STFI) will be presenting innovative highlights from research and development at Techtextil 2022, the international trade fair for technical textiles and nonwovens. In addition to a warp-knitted textile façade greening in a modular system and textile lightweight construction elements for the building sector made from hemp as a renewable raw material, the STFI will also be showing innovations from nonwovens research. The project optiformTEX is an example of the nonwovens competence: in this project, the mass per unit area was specifically influenced for the production of semi-finished products in the automotive sector. Furthermore, the Chemnitz Institute exhibits an ecological foam coating for protective textiles. Central highlight of the STFI's presence at the fair is also a mobile robot system, which demonstrates the automated loading of a small-scale bobbin creel.

Highlights at Techtextil 2022

The greened façade tile is a system with which large building surfaces can be cost-effectively greened through a simple, modular segment structure. In addition to insulating the building, the system has been created to meet the design requirements of a modern city centre; low-maintenance greening is made possible through functional

integration in the textile carrier layer and coordinated plant selection. Moulded components made of natural fibre nonwovens are increasingly used in the automotive sector. Conventional nonwovens currently have uniform masses per unit area. Technical solutions for load-oriented component reinforcement and the resulting optimised use of materials represent an enormous economic potential.

Future-oriented materials are offered by developments from the field of renewable raw materials in combination with bio-based resin systems: In the "Gro-Coce" project, an innovative ceiling system was developed by combining sustainable building products and methods. Currently, a high-performance hemp-based semi-finished product as well as the steps for its reproducible production by means of textile surface formation is developed by the research team. Initial application and load tests of the hemp-based semi-finished products on wooden beams confirmed the high performance potential of the natural fibre materials.

Special functional textiles are based on composite materials with coatings or membranes. The previous production of the coatings/membranes poses ecological and health risks. At STFI, solvent-free, purely aqueous coating systems and a technology for their application

were therefore developed for the protective textile sector, resulting in a breathable, waterproof and wash-resistant textile coating.

The central highlight of the STFI's presence at the fair is a mobile robot system, which demonstrates the automated loading of a small-scale bobbin creel. At the STFI, the robot is part of the "textile factory of the future", where a play mat is woven and processed step by step along the textile chain.



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EURATEX IS REACHING OUT TO THE UKRAINIAN TEXTILE INDUSTRY

9 May 2022

Today, EURATEX has launched its EU-Ukraine Textile Initiative (EUTI), which aims at facilitating cooperation between European and Ukrainian textile and apparel companies. EUTI offers a single contact point for Ukrainian companies who seek support and cooperation with EU counterparts, and vice versa. That connection will be helpful to match supply and demand (e.g. there are many requests for supplies of fabrics), engage in public procurement, offer company-to-company support. The service will be coordinated by EURATEX in close cooperation with UKRLEGPROM, Ukrainian Association of enterprises of textile &



leather industry. Olena Garkusha, an experienced manager coming from the Ukrainian textile industry and now based in Brussels, will act as contact point (eu-ukraine@euratex.eu). EU exports to Ukraine reached €1.3 bln in 2021 (13th market), whereas imports from Ukraine reached €500 mln (21st place). There is potential to expand that relationship, both in the short term – to respond to urgent needs, e.g. in military and medical fabrics – but also in the longer run; as partner in the PEM Convention, Ukraine can play an important role in Europe's textile and apparel supply chain. The proposed suspension of tariffs on imported products from Ukraine by the EU will offer further opportunities. EURATEX Director General Dirk Vantyghem commented: "Supporting the textile industry is our way to help the people of Ukraine. We encourage our Europe-

an members to connect via EUTI and develop sustainable partnerships." Tetyana Izovit, President-Chief of the Board of UKRLEGPROM welcomed the initiative: "Today, we have many tex-

tile and apparel companies in Ukraine with expertise and skilled workers; they are able and willing to work with EU, but lack the contacts, customers and supplies. EUTI will help them."



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Sousse - Tunisia



COLLABORATION – XSENS (MOVELLA AND ELITAC WEARABLES PUSHING INNOVATION IN THE MOTION CAPTURING AND WEARABLES DOMAIN

April 22, 2022

Motion capture, virtual reality (VR), wearables, and haptic feedback are a great combination. When used together, they can have big potential in e.g. science, healthcare, safety, gaming, and sports. The markets and technologies involved are developing and improving rapidly; components are getting smaller, yet more accurate, costs and energy consumption are going down and new integration techniques make it possible to seamlessly integrate the electronics into textile and garments. These innovative technologies combined, offer new possibilities to improve people's lives by keeping us safer, healthier, and helping us perform better. It can lead to new immersive experiences and new ways of working. That's why Xsens (Movella) and Elitac Wearables are teaming up in a research & development project to explore the future possibilities of their businesses and try to come up with new and exciting concepts, which will hopefully help shape the future of wearable technology, gaming, VR and motion capture alike. Xsens is revolutionizing the industry for movie, gaming, and VR. They use a motion capture suit equipped with sensors, which is

easier and faster to set up than conventional camera-based systems. Elitac Wearables is specialized in integration techniques and expert in haptic feedback systems.

Freudenberg Experts meet Sustainability

11 May 2022

Following their merger, Freudenberg Performance Materials, Low & Bonar, Mehler Technologies® and Filc will be presenting their innovative solutions at a joint stand for the first time at this year's techtextil exhibition in Frankfurt. The focus is on sustainability. Among the highlights are Evolon® RE, a microfilament textile for a wide variety of applications and markets, FILFLEX, a sustainable padding material for car seat covers, and the truck tarpaulin POLYMAR® 8556 ECO CF. Customers will find the world's leading manufacturer of technical textiles at Stand C51 in Hall 12.1.

Evolon® textiles made from recycled PET

With Evolon® RE, Freudenberg Performance Materials is presenting an even more sustainable version of its high-performance microfilament textiles. Evolon® RE is manufactured from an average of 70% recycled polyester, which the company

makes by cycling post-consumer PET bottles in-house. Evolon® RE products are available for various applications such as technical packaging, in weights currently ranging from 80g/sqm to 300g/sqm. For high-tech wiping, lightweight Evolon® RE is now available starting from 30g/sqm. The material meets the needs of cleaning specialists for more sustainable wiping solutions. Evolon® RE offers the same high quality and material performance as all other Evolon® textiles.

Tarpaulins made from recycled raw materials presented by Mehler Technologies®

When it comes to tarpaulins on trucks, both protection of the transport cargo and advertising for the transport company place high demands on the material. Mehler Technologies® tarpaulin material ranks among the premium products for truck tarpaulins. The company is a pioneer in sustainable development and is showcasing POLYMAR® 8556 ECO CF. This unique material has a 25% share of recycled raw materials in the coating mass. In addition, the material is made with 100% R-PES yarns. The input materials undergo a complex separation and filtering process. Sustainable padding material for automotive and furniture



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seat covers presented by FILC FILFLEX is a soft and flexible padding layer made from nonwovens for automotive and furniture seat covers. It prevents leather from creasing and improves the dimensional stability of the seat covers. In terms of sustainability, its benefit is its 100% PET composition, making FILFLEX easy to recycle. FILFLEX offers customers easier handling during sewing and the seat covering process. End users benefit from the high seating comfort.

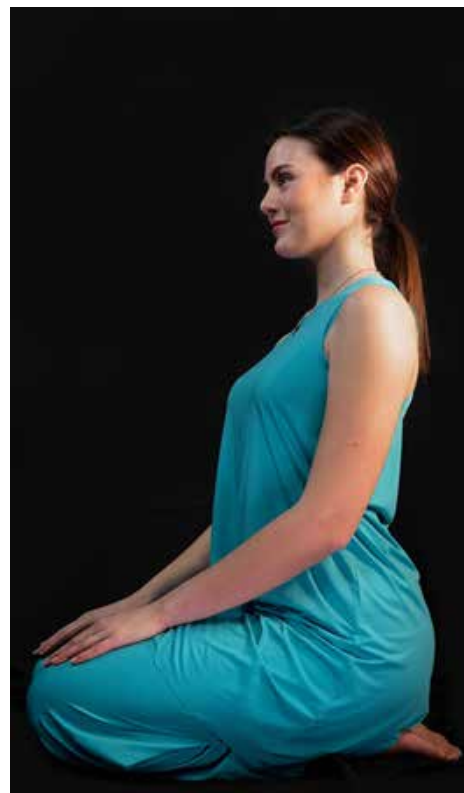


INNOVA FABRICS CHOOSES ROICA

11 May 2022

Innova Fabrics, the Italian manufacturer of knitted fabrics for apparel, underwear and sports, confirms its choice of ROICA™ by Asahi Kasei, the Japanese leader of premium stretch fiber, for its new responsible line RF (Residual Free). Despite the deep-rooted history of the company's team in the world of textiles, Innova Fabrics is a reality that is not afraid to innovate with a focus on environmental sustainability. As a result of its push for local production and attention to third-party sustainability certifications (including OEKO-TEX Standard 100, one of the world's best-known labels for textiles tested for harmful substances), Innova Fabrics continues its promise of responsibility with an enrichment of its conscious proposals. In the last season, Innova has increased

its smart proposition by launching the RF (Residual Free) line, with the aim of reducing the impact of microplastics residues produced by the fashion industry. This is possible thanks to the combination of two responsible ingredients: SENSIL® Biocare by Nilit and ROICA™ V550 by Asahi Kasei. SENSIL® BioCare is the premium, sustainable nylon 6.6 fiber enriched with a special technology that helps reduce the persistence of textile waste in the ocean and landfills by acting during and after the product's life cycle. Therefore, if the microplastics in SENSIL® BioCare garments are released during washing, they will decompose much faster than conventional Nylon 6.6 fibers, reducing textile waste. ROICA™ V550, part of the ROICA Eco-Smart™ family, is the premium, sustainable stretch yarn that degrades without releasing



harmful substances into the environment, according to the Hohen-



stein's environmental certification. ROICA™ V550 also carries the Gold Level Material Health certificate from the Cradle-to-Cradle Product Innovation Institute, which evaluated the yarn's impact on human and environmental health. The strong relationship established between Innova Fabrics and ROICA™ by Asahi Kasei is a long-standing one:

from the very beginning, the textile company chose ROICA™ as its main reference for premium stretch, using ROICA Colour Perfect™ in most of its articles. Having experienced the innovation of the ROICA™ line dedicated to high-quality color, Innova decided to opt for the ROICA Eco-Smart™ line as part of the extension of its environmentally con-

scious line. Thanks to the constant synergy with its premium partner in innovative and responsible stretch, Innova continues its path towards a textile and fashion industry that respects the planet, without forgetting profit. And this is just the beginning. Innova Fabrics pieces containing SENSIL® BioCare and ROICA™ V550.

HEXCEL LAUNCHES HEXPLY NATURE RANGE

10 May 2022

Hexcel has developed a new product range that combines Hexcel resin systems made with bio-derived resin content with natural fiber reinforcements to create material solutions for Automotive, Winter Sports, Marine and Wind Energy applications. HexPly Nature Range includes proven resins such as HexPly M49, M78.1-LT and M79 but with bio-derived epoxy resin content. The excellent resin characteristics remain unchanged in the new Nature Range products, maintaining high mechanical performance and consistent processing properties. In addition, the HexPly Nature Range provides prepreg options with natural fiber reinforcements that can be seamlessly integrated into existing production processes. Hexcel worked with TÜV Austria to provide independent, high-quality measurement and assessment of the bio-content of HexPly Nature Range products. TÜV Austria's OK biobased certification uses a standardized measurement of the biobased carbon content enabling



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transparency and easy like-for-like comparison between products. At JEC World in Paris on May 3-5, Hexcel presented an alpine ski produced by the Tecnica Group Ski Excellence Center which produces skis for Blizzard and for Nordica using HexPly Nature Range M78.1-LT UD flax fiber prepreg. In addition to providing a bio-based material solution, the natural fiber-reinforced prepreg also offers the potential to improve impact performance and vibration damping in the ski. Claude Despierres, VP of Sales and Marketing – Industrial at Hexcel, said, “Our new HexPly Nature Range forms an important part of providing customers with biobased, TÜV-certified material options based on our established prepreg resin systems. Marine, winter sports, wind energy and automotive manufacturers can now have the choice to switch from petroleum-based material solutions to Hexcel HexPly Nature Range with no compromise in performance or process efficiency.

Smart acoustic solutions made from 100% polyester

Well thought out, ready to use and

durable: bluefiber stands for Sandler acoustics solutions with true innovation. The new brand for efficient sound insulation in numerous acoustics applications. Open-plan interior design in living as well as working spaces brings us closer together, promotes active exchange and shared creativity. To ensure that the background noise does not take over during the hectic workday and that concentrating on the task at hand is possible, efficient acoustics solutions are needed. Wall or ceiling elements, partitions, acoustically absorptive objects – the possibilities are as versatile as the people benefitting from them.

bluefiber acoustics brand combines a wide range of acoustically highly efficient materials – polyester-based high-tech made in Germany. Owing to their excellent sound absorption properties the lightweight textile materials offer an ideal basis for individual interior design concepts, creating a pleasant living space. Self-supporting panels and pads in different thicknesses, performance types and color versions; flexible roll goods, optimally adaptable to component contours;



or custom-made solutions for your specific application: bluefiber products are ready to use, combining function and design. bluefiber also stands for responsibility and transparency in all areas. 100 % single-polymer and therefore fully recyclable at the end of their service life, these high-tech products themselves are largely made from recycled PET bottles.

Performance – Design – Responsibility. bluefiber - a brand of Sandler

EWMA 2022: INNOVATION AND SUSTAINABILITY IN WOUND CARE WITH FREUDENBERG

WEINHEIM (GERMANY), MAY 9, 2022. AT THIS YEARS EWMA FROM MAY 23 TO 25 IN PARIS, FRANCE, FREUDENBERG MATERIALS (FREUDENBERG) IS PRESENTING PU FOAMS WITH DIRECTLY APPLIED SILICONE ADHESIVES, AN INNOVATIVE HYDROPHILIC DEBRIDEMENT FOAM AND ITS APPROACH TO SUSTAINABLE WOUND CARE. ACTIVE WORLDWIDE, THE MANUFACTURER OF MULTI-LAYER MATERIAL COMPOSITIONS CONSISTING OF HYDROPHILIC PU FOAMS AND HYDROACTIVE NONWOVENS WILL BE WELCOMING VISITORS TO BOOTH 205A.

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The hydrophilic debridement foam is well suited for cleaning deep and hard-to-reach wounds.

Freudenberg PU foams with directly applied silicone adhesives are more flexible and adapt better to the wound bed. This photo shows a bordered dressing.

Freudenberg Performance Materials' silicone coated foams with their patent-protected technology combine the sustainable aspects with a number of improved features. Reducing the number of process steps in wound dressing manufacture reduces production complexity, thereby avoiding waste, saving energy and simplifying the supply chain. At the same time, the solution maintains all the advantages of a pure foam dressing without a silicone layer, such as free swelling and prevention of exudate pooling in the wound bed, while eliminating the disadvantages of solutions with standard silicone adhesive layers. Seen from a nursing perspective, advantages include higher flexibility that enables optimal wound bed contouring and the reduced risk of infection due to the prevention of

exudate pooling. Freudenberg PM is also showcasing prototypes featuring this technology in the form of a bordered dressing with a silicone adhesive border. The option to select an extra-strong silicone border complements these product benefits. This enables longer wear times, thus generating less waste.

More effective cleansing results and greater patient comfort

Freudenberg Performance Materials is also showcasing an innovative hydrophilic debridement foam that offers the following advantages:

- **Use in wound cavities:** The foam is soft and flexible throughout, including at the edges. It is ideal for cleansing deep and hard-to-reach wounds.
- **Better cleansing results and reduced risk:** Thanks to its large pores, the foam also easily picks up fibrin coatings and dried exudate. Unlike conventional textile construction, there is no risk of fibers being left



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behind in the wound.

- **Greater patient comfort:**

The hydrophilic PU foam achieves a better cleansing result with reduced pressure, thereby increasing patient comfort.

Biodegradable and other sustainable solutions

“Sustainability is firmly anchored in Freudenberg Performance Materials’ strategy. That is why we engage in pioneering work to enable our customers in the medical industry to launch more sustainable products on the market,” Dr. Henk Randau, SVP & General Manager Global Business Division Health-

care, said. The company has decades of experience in developing sustainable solutions. Freudenberg Performance Materials pioneered PET recycling in the early 1990s, for example, and today recycles some 7 million PET bottles per day.

Freudenberg Performance Materials designed the ECO-CHECK label to endorse particularly sustainable products. The company offers its healthcare customers two outstanding solutions to design sustainable wound plasters. These plasters use bio-based raw materials that allow biodegradation in an industrial composting setting after

the product has been used.

- **M 1701 for traditional wound care plasters** comprises 100% polylactid acid derived from natural resources and offers good wound care characteristics.

- **M 1714 with superior absorption for more challenging wounds** consists of a mix of bio-based fibers derived from natural sources and exhibits a smooth wound contact layer. The product has been evaluated for industrial compostability and conforms with ISO 13432, which facilitates the application for certificates concerning product biodegradability.

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TRÜTZSCHLER CARD CLOTHING: A PIONEERING PARTNERSHIP FOR SUSTAINABLE SUCCESS IN EGYPT

SHARABATI DENIM IS ONE OF THE MAJOR LEADING MANUFACTURERS OF ECO-FRIENDLY DENIM IN EGYPT, SYRIA AND TURKEY. IN 2018, THE COMPANY LAUNCHED THE STATE-OF-THE-ART RECYCLING INITIATIVE “TADWEER” THAT USES RECYCLED MATERIAL AND SUSTAINABLE PRODUCTION PROCESSES FOR CLOSING THE LOOP. TRÜTZSCHLER CARD CLOTHING (TCC) IS DELIGHTED TO JOIN THIS INNOVATIVE CONCEPT WITH ITS EXPERTS AND EQUIPMENT.



April 27, 2022

The story of Sharabati Denim began more than 40 years ago, when the company was founded by Mr. Mohamad Sharabati. The company's primary focus is to be a reliable partner to fashion brands and producers by providing a diverse portfolio of denim products that are stylish, durable and sustainable. To achieve this, Sharabati Denim uses

its deep technical expertise related to spinning, weaving, dyeing and finishing, as well as recycling processes. And the company also looks for partners who share its strong commitment to environmental protection.

Cooperating for more sustainable practices

TCC is one of those pioneering partners. Sharabati Denim has invested

in a Trützschler TC 19i carding machine to support its sustainability initiative Tadweer. It is part of a broader sustainability strategy that goes far beyond recycling. This approach aims to maximize the value of materials, conserve natural resources and cut waste. Sharabati is now using energy-efficient lighting for its factories, as well as solar panels and an integrated water re-



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cycling approach. And the TC 19i is also an important contributor to its pioneering sustainable practices.

“The Trützschler TC 19i allows Sharabati Denim to transform waste into high-quality yarns,” says Mr. Jameel Zarka, Managing Director of Sharabati Denim. “By cooperating closely with TCC and its local agent in Egypt, Tex Trading and Services, we are able to make our products and processes better every day. We constantly share best practice and discuss innovative ideas together. As a result, Trützschler has enabled us to increase productivity and flexibility – and sustainability too. With the SUPERTIP wire, we can use recycled material to create fibers with the best levels of homogeneity and strength, while giving gentle but effective treatment of short fibers.”

Specially designed to optimize recycling

The successful partnership with

Sharabati Denim is the latest example of how Trützschler Card Clothing is enabling companies in the spinning industry to reduce their environmental footprint – while also achieving benchmark levels for quality when using pre- and post-consumer fibers and blends.

Trützschler has developed a range of solutions for recycling. This includes fixed carding segments with an aligned profile geometry in connection with the chut feed of the card, which supports an optimum opening and cleaning of tufts from secondary fibers. Special conceptions of flats and special geometries of cylinder wires also ensure the best possible removal of neps. This guarantees a smooth treatment of the individual fibers that come from different sources and categories of waste, and makes it possible to produce sliver with excellent homogeneity. In addition,

SPINNING, WINDING & YARN MAUFACTURING

the increased stability of the teeth and the quality of SUPERTIP lead to significantly prolonged utilization times of the clothing, especially for challenging applications involving recycling. The profile geometry of the cylinder wire is specifically designed for processed fibers, and ensures optimal running and less cleaning of the cylinder surface. The success of Sharabati Denim reaches back more than four decades into the past. However, the company is also committed to participating in the transition to a sustainable present and future too. Its ambitious sustainability strategy is actively minimizing its impact on the environment. And by working together with experts and equipment from Trützschler, Sharabati Denim is further maximizing the quality of recycled denim and textile products.

YARNMASTER PRISMA FOR CLEAR REASONS

Perfection for compact yarns – The General Managers of Kohinoor Textile Mills Limited Pakistan know exactly what they need for their business and are again relying on the latest Loepfe technology for, clear reasons – a new level in yarn quality with increasing profitability.

Mr. Muhammad Irfan, General Manager of the Gujar Khan plant and Mr. M. Jahanzaib Baloch, General Manager of the Rawalpindi plant lead one of the most successful textile businesses in Paki-

stan. They operate nine units with 180,000 spindles, covering the complete range of coarse and fine count yarn from natural to man-made fibers. Kohinoor Textile Mills Limited is known for its consistent yarn quality. The focus on satisfied customers has proven itself and is continued meticulously. This is achieved, among other things, through the constant integration of the latest technologies. A total of 5,500 Loepfe yarn clearers are integrated into the spinning process, with the first 1,112 winding units

now being replaced with the new yarn clearer generation, YarnMaster PRISMA. The motives are clear. Mr. Muhammad Irfan commented: “Loepfe yarn clearers have helped us to improve our yarn appearance and customer satisfaction. We are delighted to continue our relationship with Loepfe by installing YarnMaster PRISMA on our lines – and, in fact, we are already seeing the benefits of this new leading-edge sensor technology.” With PRISMA, Kohinoor Textile Mills Limited achieves a new level in yarn qual-



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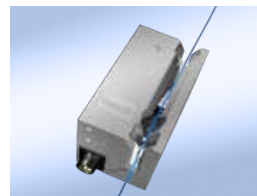
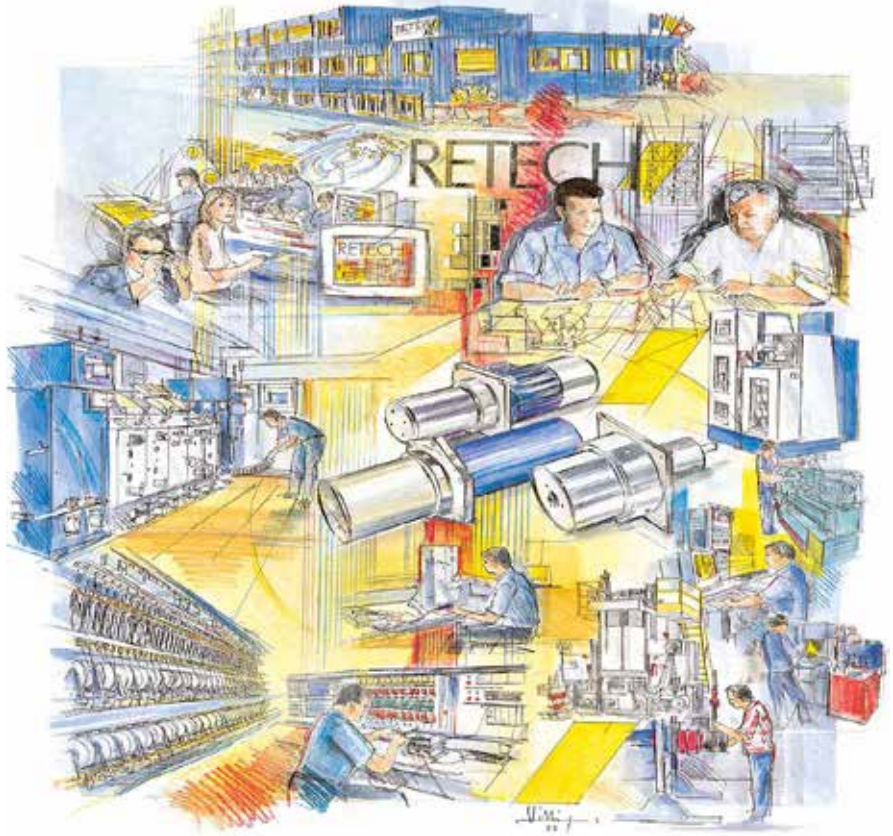
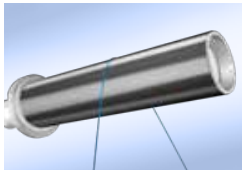
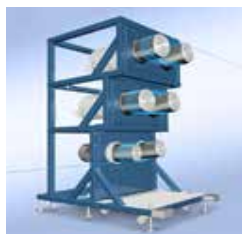
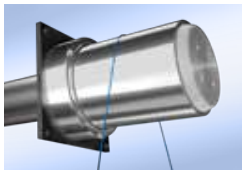
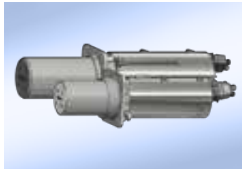
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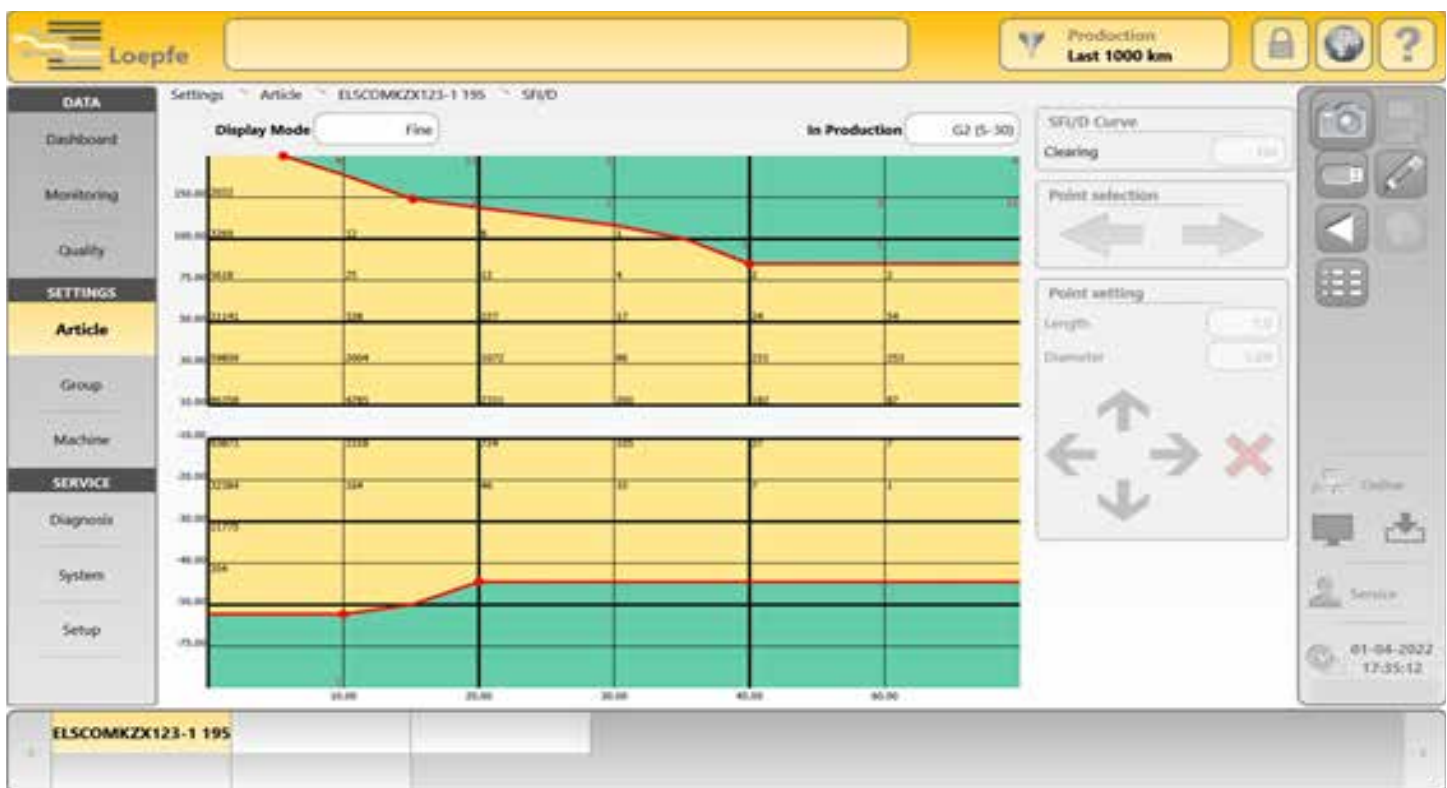
YarnMaster®

PRISMA for clear reasons

ity while increasing profitability. This is accomplished through the unique four-sensor technology combined with the intelligent clear-

ing algorithm. Especially important for Kohinoor Textile Mills Limited and their mainly compact ring yarn production are the additional fine

classes of SFI/D and OffCount clearing. The refined matrices simplify the settings and provide flexibility to adapt the clearing curve to all



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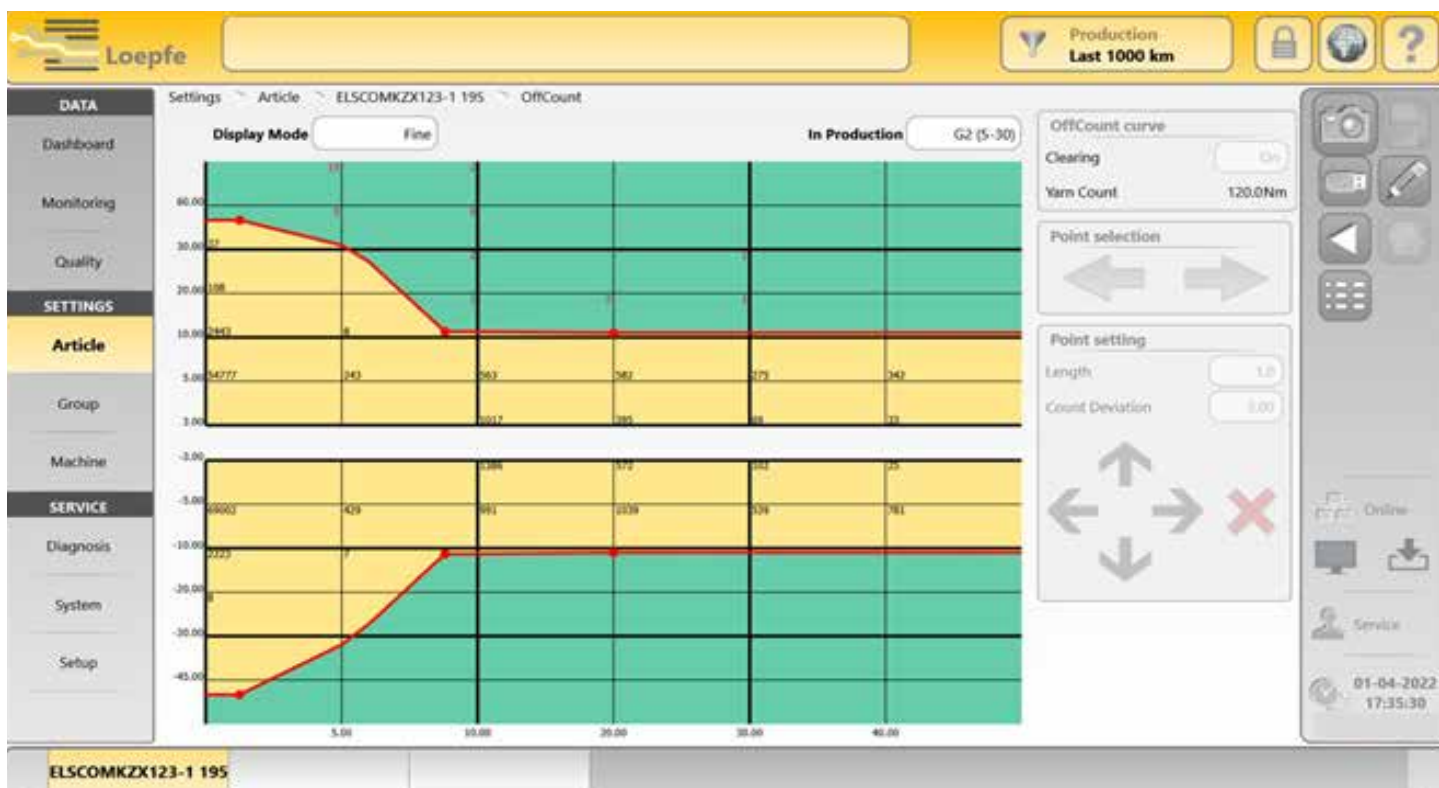
market needs. Thereby the compact spinners are given the best yarn structure overview of their produced yarn. Kohinoor Textile Mills Limited uses the unique feature based on the continuous monitoring length of 80 meters for SFI/D clearing and 50 meters for OffCount clearing. Removing long faults in one piece delivers significant advantages:

- Increased machine efficiency due to less splice cycles and immediate alarm of bad bobbins after the first few meters
- Increasing yarn quality due to complete removal of long faults
- Certainty in yarn quality since no remnants of longer faults are processed further. As this is the case with other yarn clearer models

which are cutting longer faults on their set curve and therefore slicing faults into pieces Monitoring length of 80 meters for SFI/D clearing Mr. Muhammad Irfan, General Manager of the Gujar Khan plant and Mr. M. Jahanzaib Baloch, General Manager of the Rawalpindi plant and Mr. Martin Bace Service Manager Loepfe Mr. Umair Mansoor Service Manager, Service Traders (Pvt) Ltd. Pakistan and Mr. Martin Bace Service Manager Loepfe Monitoring length of 50 meters for OffCount clearing Mr. M. Jahanzaib Baloch added: "KTML is a vertically integrated set up producing yarn for its own requirement and selling in the local market at the same time. Finished goods are sold to world-famous brands in the US and Europe.

WARP & CIRCULAR KNITTING - EMBROIDERY

Quality is ensured in each and every step. The export market is very sensitive to contamination. To achieve this objective Loepfe and Service traders are our partners for decades. PRISMA is an excellent product made it possible to optimize at the deepest levels. There is a world full of opportunities in a single sensing head. For us, Loepfe is a brand we trust on." Immediate and professional support in all matters is a pillar of Loepfe customer care. If our customers are satisfied. Then so are we. Thank you Kohinoor Textile Mills Limited for your loyalty and we look forward to hearing more about your successes in the coming months!



SHIMA SEIKI TO EXHIBIT AT TECHTEXTIL NORTH AMERICA 2022

11 May 2022

Leading knit solutions provider SHIMA SEIKI MFG., LTD. of Wakayama, Japan, together with its U.S. subsidiary SHIMA SEIKI U.S.A. INC., will participate in the Techtextil North America exhibition in Atlanta, Georgia, U.S.A. this month. Under the theme “techKNITians—Technical Engineered Knit Applications,” the company will display its latest computerized flat knitting machines and computer graphic design system technology, aimed at promoting knitted applications in the field of technical textiles.

Pioneered by SHIMA SEIKI, WHOLEGARMENT® knitting technology is capable of producing knitted items in their entirety without the need for sewing, and allows complex 3D forms to be knit such as car seat covers and interior furnishings. Selective compression allows control over placement and amount of pressure for various compression wear in sports and medical applications. The seam-free nature of WHOLEGARMENT® also ensures continuity of yarn, allowing functional yarns such as conductive yarns to wrap around the entire body without interruption, for applications in smart garments and wearable technology. Demonstrating the latest in WHOLEGARMENT® knitting technology at Techtextil will be the flagship MACH2XS machine that features the company's original SlideNeedle™ on 4 needle beds and patented springloaded full-time



sinker system. Capable of WHOLEGARMENT® knitting in all-needles, MACH2XS offers great flexibility for knitting high-quality WHOLE-



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GARMENT® products with a seemingly endless variety of knit patterns at very high speed and efficiency, all while minimizing dependence upon labor-intensive sewing and linking. At Techtextil North America MACH2XS will be shown knitting a seam-free balaclava in one entire piece using fire-resistant yarn.

Also shown will be the SWG091N2 compact WHOLEGARMENT® knitting machine, also featuring SlideNeedle™ technology. Capable of producing small knitted items from safety gloves and compression socks to more sophisticated industrial applications such as tubular shields and harnesses, SWG091N2 offers unique solutions for the automotive, aerospace, sports, medical, safety, outdoor and other markets by knitting items in 3D without seams. SWG091N2 will be knitting fire-resistant gloves at Techtextil North



America. SHIMA SEIKI's SDS®-ONE APEX4 3D design system will also be available for demonstrations in design and simulation of various technical textiles. Of particular interest is its ultra-realistic simulation capability that realizes virtual sampling. When numerous variations must be evaluated before arriving at a final design, virtual product samples can be used to streamline

the decision-making process by minimizing the enormous amount of time and cost normally associated with producing actual physical samples for each variation. The sustainability factor is also undeniable considering the amount of material normally gone to waste in the sampling stage.

SHIMA SEIKI TO EXHIBIT AT TECHTEXTIL NORTH AMERICA 2022

Innovation packages from STOLL - a company of the KARL MAYER Group

10 May 2022

Optimizations, further developments and innovations are an integral part of STOLL's activities. The industry leader in flat knitting technology has recently launched a new offering in the form of defined innovation packages. The aim here is to make STOLL's high innovative strength even clearer and enable customers to benefit from it more quickly. "The demands made on flat knitting technology are changing all the time, whether in the case of technical textiles for transportation

and furniture fabrics or medical solutions well as in the fashion sector, where new yarns - such as recycled yarns or innovative technologies, such as smart textiles - have to be taken into account all the time," knows Erhard Vöhringer, Sales Manager of the STOLL Business Unit in the KARL MAYER Group "Our customers always have to keep abreast of the latest developments. We are therefore continuously developing appropriate improvements, and with our innovation packages we are now offering even more de-

tailed demand-oriented solutions." Detail optimisations for more overall performance. The innovation packages have the benefits for customers in focus and were tailored to the respective target groups. Every optimization contained therein leads to a decisive improvement in production. All of the solutions developed can be easily integrated into existing STOLL machines.

Innovation package Number One

Innovation package Number One will be launched on the market in a few weeks' time and is aimed



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explicitly at knitters who focus on technical textiles. The focus is on convenience and process acceleration. Simple network configuration, expansion of the number of NP values, extended functionality when loading and saving the pattern and also improvement of handling in connection with Production Management from PPS are just some of the features of the package. “The corresponding updates for the machine control system are available to our customers for download free of charge on Customer_Net. In the future, there will also be a cloud-based offering,” explains Erhard Vöhringer.

Innovation package Number Two Still in the pipeline, included in the Number Two innovation package, are improvements for the maintenance area – regarding the use of lubricants and the maintenance intervals (predictive maintenance) – as well as optimizations in terms of sustainability, for example when

it comes to reducing consumption of oil and increasing reliability. These solutions will be suitable for all machine types and applications. The focus here is on improvements in belt take-down, the import and export of data and support for additional storage feeders. A physical improvement in handling is promised by the new lighting including mirror directly on the machine. In addition, the development teams are currently working on optimizing various knitting qualities and increasing user-friendliness. So you can already be curious!

Concentrated innovative power

The STOLL development team, with several hundred engineers and technicians in the fields of electronics, software, patterning, and design, never runs out of topics. Questions like “What is the market looking for? What do customers want? Which changes do the machines have to meet and which ones do the software control and design

program have to meet?” are first discussed, evaluated and debated together as a team and then go into the development phase. “Our customers can be absolutely sure that all our innovations are meticulously tested before we go to market with them” emphasizes Erhard Vöhringer. This also applies to the solutions in the innovation packages.

Small solutions, big impact

STOLL flat knitting machines impress with their great application and production potential. With its innovation packages, STOLL has found a flexible and very fast way directly to the customer. Anyone who wants to know more about this is cordially invited to this year’s trade fairs. STOLL looks forward to seeing you at the KARL MAYER Group stand at ITM (Istanbul), Techtextil (Frankfurt), Techtextil India (Mumbai) and ITMA ASIA. (Shanghai).



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MAYER & CIE. LAUNCHES UPGRADE KITS. REJUVENATING EXISTING CIRCULAR KNITTING MACHINES WITH A LEAN BUDGET

02. May 2022

This month, the circular knitting machine manufacturer Mayer & Cie. is launching its upgrade kits for circular knitting machines that are already successfully in use by customers. With tailor-made packages, the company wants to give its users the opportunity to take advantage of technological progress in their existing machines. The aim is to improve the performance of the existing machines and to extend their service life. In addition to the machine-specific upgrade kits, the company now starts offering tailor-made spare parts packages. They are intended to ensure machine availability and equip customers with spare parts for standard situations. In addition, they offer a degree of independence from possible failures in the supply chain and rising transport costs.

Longevity, a popular product property "Longevity of our circular knitting machines is definitely a property that our satisfied customers mention regularly", Mayer & Cie. sales director Wolfgang Müller says. The company estimates that up to 50 percent of all the circular knitting machines it has ever made are still around in the market somewhere. upgrades boost performance and value retention, maintenance and upgrades for existing



machines are a key issue for the company – and for the customers who successfully use existing Mayer & Cie equipment. That's why the company recently launched customised upgrade kits to improve the long-term performance of machines. Frank Stuhmann, head of the spare parts, Mayer & Cie, adds: "In our development department, we are constantly working on improving existing machines and their components, and we would not want to withhold this progress from our existing customers." Stuhmann and his team have found that existing machines have a firm place in the machine park and that operators do not wish to replace

them anytime soon. He says: "This means it makes much more sense to help our customers to enhance the properties of their existing machines, rather than to offer them a completely new machine."

Low budget, clear benefit

Compared to a new machine, upgrade kits are a low-cost investment that deliver clearly defined benefits. For example, an improved yarn guide ensures a significant increase in the plating reliability and output of the machine in question. Most of the upgrade kits is machine-specific; the aforementioned yarn guide ensures a boost in productivity for the Relanit 3.2 II and Relanit 3.2 S. For S4 machines an optimised fluff

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blowing device can be the solution. It ensures that less fluff is knitted in and thereby improves the fabric quality. It also reduces downtimes that would otherwise be required for cleaning. Upgrade kits suitable for most Mayer & Cie. machines are the edge trimmer to open a fabric hose before the fabric's rolling-up and the laying facility for high-quality hose fabric. General benefits of the upgrade packages also include a perfect fit for individual machines, a long-term security investment and upgrade warranties.

Spare part packages: Inside is what is required

In addition to individual upgrade kits Mayer & Cie. now offers spare parts packages. They too are customised for individual machines. When purchasing a machine, the customer can also order a small or a large spare parts package. Selected specially for the machine in question, it contains the most important consumables and spare parts. "We are all familiar with the situation," Frank Stuhmann says. "You are in a tight corner and urgently need a spare part that is then not available. The best-case consequence is unnecessary stress, and the worst case is missed delivery dates." The new spare parts packages are designed to reduce these situations to a minimum and to ensure instead that the customer is equipped to deal with at least the standard cases. They also increase customers' independence of supply chain failures and rising transport costs.

Frank Stuhmann heads the spare parts department at Mayer & Cie.



Foto: Ralph Koch für Mayer & Cie.

In Mayer & Cie.'s R & D department, colleagues are working on improving current machines. With the new upgrade kits, customers can benefit from these enhancements to their existing machines. Foto: Ralph Koch für Mayer & Cie. Central warehouse at Mayer & Cie. in Albstadt-Tailfingen: Spare parts at the ready. Foto: Ralph Koch für Mayer & Cie. Having been part of the James Heal team for over 25 years, Neil Pryke has been promoted to the position of Managing Director of PPT Group UK, a role in which will cover not only James Heal, but also partner brand Mecmesin located in West Sussex. An engineering company based in historic textile mills in Halifax, James Heal design and manufacture a comprehensive range of state-of-the-art textiles testing solutions, with 80% of their products being exported around the world. Having joined the company's Innovation department as a Mechanical Design Engineer, Neil worked his way up to become Operations and Innovation Director, and Manager of the Halifax site. He was a major player in setting up and

developing manufacturing facilities and operations in Halifax, and the creation and development of instruments such as the best-selling Titan CRE tensile tester. Vitally to the company's continued success, Neil was instrumental in developing the James Heal brand, working with the Design Council in 2011. Together they created the most visually appealing product range, with a focus on user-centred design, quickly setting James Heal on a course to become market leader. This wealth of talent, knowledge and experience in engineering, innovation and design will be invaluable as the Mecmesin product range develops. Neil said of his promotion, "I am absolutely delighted to be starting my new role as MD across the PPT Group brands in the UK, continuing to develop new and innovative solutions at James Heal, and excited to work with our colleagues at Mecmesin, bringing my experience to another part of our global group of brands."

Established in 1872, James Heal is celebrating its 150th anniversary this year and is a globally known brand in the textiles industry.



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EASY EVENNESS TESTER OPTION: AUTOCOUNT

April 29, 2021

The quality control throughout the whole spinning process is of fundamental importance. Knowing the fiber variability, during every step of the manufacturing process, reduces greatly the end product variability, improves the product quality and reduces the production cost. Tomsic Engineers, therefore, continue to develop high-quality testing equipment to provide spinners the total quality control in the spinning process. TOMSIC is now pleased to introduce the AutoCount, very useful equipment used to test the count of the yarn directly in the Tomsic Evenness tester easy. The AutoCount measures the weight of the tested yarn and provides the count variation (Average, CV%, Q95%, Min and Max values). All the AutoCount data are displayed in the same graphs of the evenness tester job. In practice, the AutoCount data complete the easy Evenness Tester reports with the weight and counts variation. The spinners have so the regularity data, the weight and count variation data of every test in only one report. The Tomsic AutoCount module is directly connected with the easy Evenness tester software, the most operator-friendly software, installed on a normal PC with Windows 10 platform. Before running the test the operator can set the length of the tested yarn in



the AutoCount. The evenness tester job begins with the test of the yarn regularity. During the evenness test, the same yarn is automatically pushed by the air pressure on the

balance for the count test. AutoCount provides an auto-cleaning process at the beginning and end of each test by air pressure.



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DATA-BASED YIELD IMPROVEMENT

USTER, SWITZERLAND, 11TH APRIL 2022 – TODAY'S TEXTILE MARKETS ARE HIGHLY COMPETITIVE, THROUGHOUT THE ENTIRE VALUE CHAIN FROM FIBER TO FABRIC. CUSTOMERS EXPECT UNIQUE PRODUCTS, AT THE RIGHT QUALITY AND FREE FROM UNACCEPTABLE DEFECTS, EVERY TIME. FABRIC PRODUCERS NEED TO MANUFACTURE ECONOMICALLY, WITH BEST-POSSIBLE USE OF RESOURCES. THE MAJOR CHALLENGES REQUIRE COMPREHENSIVE MANAGEMENT STRATEGIES – AND DEFINITELY AUTOMATED FABRIC INSPECTION.

In the classic fabric production process, manual inspection and lab testing are time consuming operations which need to be optimized with automated solutions. Adding automation to the process will reduce production costs and satisfy customers by delivering 100% inspected fabrics. The advantages of data generated at automated fabric inspection bring the added benefit of helping customers to prepare for the future. The Uster EVS Fabriq Vision is an excellent example for proof. The fabric quality assurance system Fabric producers need to guarantee reliable quality. This requires a consistently high rate of defect detection. Uster EVS Fabriq Vision ensures this is achieved by using automated control during intermediate and final inspection, removing the need for costly manual inspection. The system's ability to capture any visible defects allows fabric yield to be optimized and prevents claims. Uster EVS Fabriq Vision – the fabric quality assurance system Real-time process monitoring detects, records and locates all defects in every roll of fabric. Fabriq Vision is able to capture any visible defect, at line running speeds. It can be used in a variety of positions on



most manufacturers' machines. Inspection is objective, accurate and consistent. The automatically generated defect map serves as the basis of improved fabric quality which leads to maximum fabric yield for various applications. The key to consistent quality is the optimized grading efficiency. Uster EVS Fabriq Vision provides real-time alerts for operators, showing all defects and automatically creating roll inspection charts. All detected faults are collected in an album for review. Here the operator can quickly mark faults and select those which can

be deleted. Users can set their own quality standards for different types of fabric and increase the efficiency of the grading process. After final inspection, fabric will often be cut into smaller rolls, which will then be delivered to various customers. Optimized cut control (OCC system) provides a tool for automated cut optimization, as well as additional components which can be installed on any existing debatching or cutting line. Upgraded process efficiency comes with clever software.

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MEET PICANOL AT DENIM PREMIERE VISION IN BERLIN ON MAY 17 AND 18, 2022 - BOOTH D8

FOR A NUMBER OF DECADES, PICANOL HAS A VERY STRONG CONNECTION WITH THE GLOBAL DENIM INDUSTRY AND CLOSELY COLLABORATES WITH THE FABRIC MANUFACTURERS. FOR PICANOL, "LET'S GROW TOGETHER" IS NOT JUST A SLOGAN BUT ALSO A TRUE REFLECTION OF THE REALITY. AS A RESULT OF THESE MANY YEARS OF HARD WORK, WE CAN PROUDLY SAY THAT TODAY APPROXIMATELY TWO-THIRDS OF ALL THE DENIM FABRIC WOVEN IN THE WORLD IS WOVEN ON A PICANOL WEAVING MACHINE. PICANOL'S PRESENCE AT DENIM PREMIERE VISION IN BERLIN (GERMANY) IS A CLEAR PROOF OF OUR DEDICATION TO THE WORLD OF DENIM MANUFACTURING.

The Picanol weaving machines don't only offer the stability and flexibility required for today's denim weavers; our continuous innovation assures that our customers can be fully prepared for the future challenges. The recently introduced Connect generation of machines, as well as our new digital platform PicConnect, clearly illustrate this point.

The Picanol rapier machines combine features such as the EcoFill system to reduce waste drastically, the Tension Display (TED), and the Electronic Right Gripper Opener (ERGO), and weavers are even offered a fully digital insertion. Therefore, we ensure that our weaving machines have Sustainability Inside and are indeed Driven by Data, which are two of our main design principles.



DORNIER PRESENTS ITSELF AT THE JEC WORLD WITH END-TO-END APPROACHES TO THERMOPLASTIC COMPOSITES AND THREE-DIMENSIONAL PREFORMS



2 May 2022

A modern composite lightweight design is not based on the material alone. It is rather an optimal synergy of material, process and application. With its PROTOS® and TRITOS® production systems, Lindauer DORNIER is now presenting comprehensive solutions for the economic production of high-quality customized thermoplastic composite structures at the JEC World.

PROTOS® Line: With granulate and

fiber to the semi-finished thermoplastic product Whether vehicles, airplanes, wind turbines or robots – fiber reinforced materials provide more economic efficiency, sustainability and weight reduction in areas such as e-mobility, energy and mechanical engineering. Semi-finished fibermatrix products based on unidirectional fiber reinforcements (UD tapes) play an important role in this context. The outstanding features are, most of all, short

cycle times, good recyclability and easy processing. In order to provide a solution for the low level of availability of suitable UD tapes and prepreg semi-finished products, Lindauer DORNIER has now developed the PROTOS® Line (Polymer and Roving to Sheet). “The integral solution allows tailored manufacturing of high-performance intermediates, products easy to be further processed”, says Dr. Josef Klingele, Head of Composite Sys-

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tems Product Line. First of all, the Tape Production Line PROTOS® TP produces either dry or fully impregnated tapes and afterwards processes them with the Tape Weaving Machine PROTOS® TW into high-performance semi-finished thermoplastics. DORNIER's innovative production system is available for customer trials and sampling in the in-house technology centre.

P2 Mono Rapiere Weaving Machine: Machine platform for special products From roving fabric made of heavy tow to special fabrics made of ceramic fibres: Where many special solutions have been used so far, DORNIER is now launching a highly flexible machine platform with the P2 Mono. The new monorapiere weaving machine is available in different versions, enabling customers to produce many special products on one platform. "In combination with the DORNIER Zero Twist Feeder, even two weft colours can be inserted twist-free, at high speed and

with a wide variety of patterns", adds Dr. Josef Klingele.

P2 Roving Rapiere Weaving Machine: The new standard

DORNIER has acquired the know-how for customized solutions for the composites industry over the course of more than 50 years in which the company's roving weaving machines have set the international industry standard for the production of high-performance fabrics made of carbon, glass and aramid fibers. Their successor will now be presented in Paris: the P2 Roving. Thanks to its higher frame stiffness, improved filling insertion performance, the maintenance-free, patented DORNIER SynchroDrive® drive concept and an optimized positive center transfer, it is already considered as the most flexible rapier weaving machine in the world. According to Product Manager Michael Langer, its improved shed geometries ensure an absolutely symmetrical warp thread path,

which means that carbon fabrics for high-end applications can now be produced even better and more reliably. Furthermore, innovative waste saving devices reduce weft waste and allow an efficient production with optimal use of material. **TRITOS® Line: Simple production of complex fiber structures** In high performance applications, 3D fabrics are superior to layered fiber composite structures due to their good damage tolerance and high dynamic load capacity. "The DORNIER TRITOS® Line (Textile Roving into Three-dimensionally Oriented Structure) combines this material superiority with highly productive, industrial production", explains Dr. Britta Skoeck-Hartmann, Product-management at Composite Systems. With fabric thicknesses of up to 100 mm and the patented DORNIER Weft Saver (DWS), the preform production line TRITOS® PP is ideally suited for the use in areas with high cost pressure.

DOMOTEX TURKEY 2022

22 April 2022: Vandewiele team is delighted to welcome its customers again on the next edition of the Domotex exhibition, in the capital of carpet, Gaziantep. Apart from many traditionally woven carpets on the RCE+ carpet weaving machine, Vandewiele will also promote the digitally controlled RCF machine with Fast Creel, cut-loop machines, and specific machines for weaving light

carpets. All will be illustrated by carpet samples. The digital control of yarns allows the development of new qualities, a higher production efficiency and a closer follow-up of the machine park. Yarn waste is reduced at the highest production speed. Combinations of cut pile carpets with flatweave as well as sisal look carpets will be presented. Naturally, also the highest carpet

qualities in reed 1000 d/m 10 colours, 1200 d/m and 1500 d/m with up to 5.000.000 points/m² will be shown. In tufting, the digital control of pile yarns (active yarn feed, also called IPD) has allowed Vandewiele the development of high definition Colortec 1/10" tufting carpet in 8 colours – or 1/7" gauge, competing with the traditional Axminster carpets. But also, solutions for plain



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carpets, artificial grass and our Myriad machines for tiles and other applications will be highlighted. On Bejimag side, we will be delighted to present you in detail our new autonomous shearing machine, the ATSH. This machine is an example of how we develop new technologies to fill the needs of our customers. For the back coating the focus will be energy saving, an important topic nowadays. Superba, already the leader in heat-setting with saturated steam under pressure thanks to their well-known TVP3, is now offering their hot-air

heat-setting solution with the DHS3 line. This triple-layer heat-setting process provides an unequalled level of evenness and a highly homogeneous fixation characteristic to the yarn, as well as stain resistance or enhanced bulk. The DHS3 line offers a high energy saving process in a reduced floor-space. To complete their range, SUPERBA is also introducing their new B403 automatic winder. Expanding its area of application beyond the carpet yarn field, the B403 marks a real technological breakthrough with its individual spindle motorization drive; it en-

ables a constant tension winding process, an accurate bobbin length measuring as well as a unique quality control for each yarn position. Finally, with the BXE extrusion line from VANDEWIELE, the MF400 texturizing machine and the MCD3 space-dyeing machine as complementary processes before heat-setting, with SUPERBA lines, the carpet industry gets all the necessary equipment to produce innovative yarn types, allowing manufacturers to make the highest quality carpets at the most economic prices.

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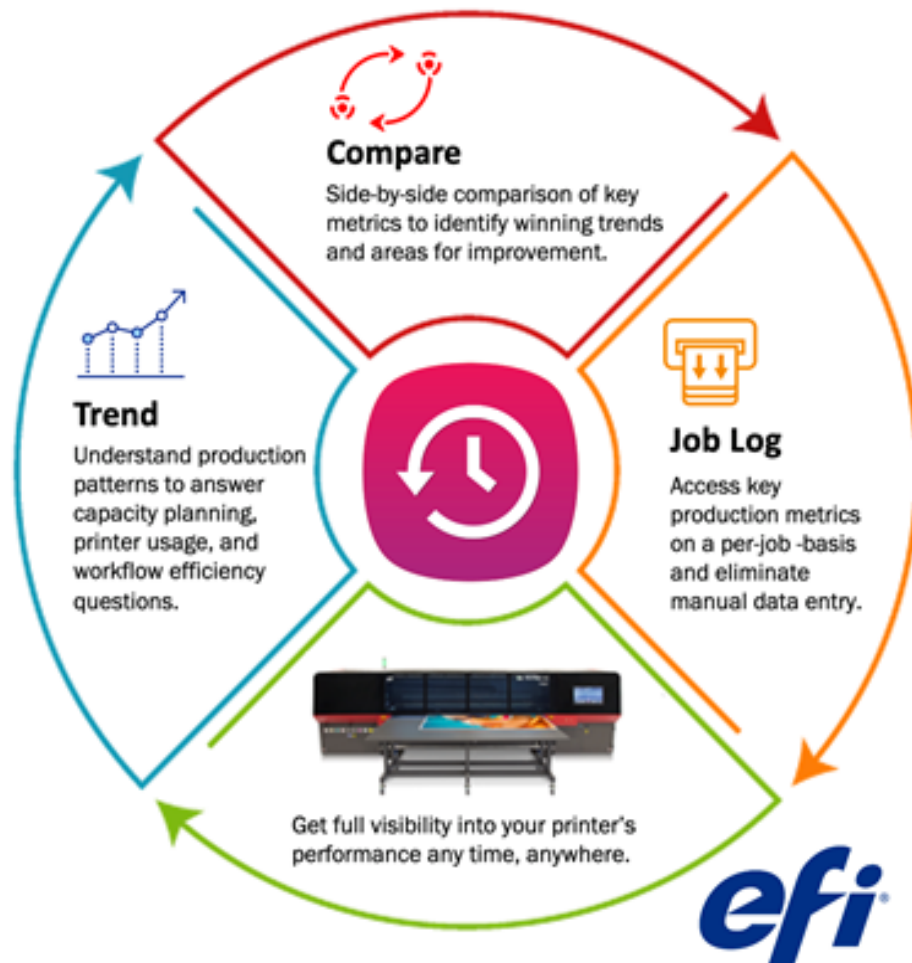
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EFI IQ NOW AVAILABLE FOR SIGN AND DISPLAY GRAPHICS PRINTERS

12 May 2022

Featured at FESPA Global Print Expo 2022, new cloud and mobile suite offerings help reduce costs and maximise the value of customers' EFI printer investments

Electronics For Imaging, Inc. announced the availability of its EFI IQ™ suite of cloud and mobile applications with supported EFI VUTEK®, Wide Format, and Nozomi inkjet printers. With this cloud service, EFI™ printer users can monitor production and printer utilisation, including exact device-level consumable tracking data, to reduce downtime, reduce costs and maximise the value of their EFI printer investments. New EFI wide- and superwide-format UV LED printers will include a one-year subscription to EFI IQ. EFI inkjet printer users can also purchase IQ subscriptions for other supported printers. The newly available cloud service for superwide-format production is making its debut at the 31 May - 03 June FESPA Global Print Expo in Berlin. User-friendly with better business intelligence According to an early user of the cloud service's new inkjet offering – Dave Brewer, chief technology officer of California-based Image Options – “EFI IQ is a user-friendly tool that gives me better business intelligence to make better decisions.”



Productivity with powerful cloud tools The decision to adopt EFI IQ comes down to several key questions owners and managers should ask themselves about business performance, including:

- Can you accurately measure ink usage?
- Is your team able to get real-time production blocking alerts?
- Are you able to

compare performance metrics between printers and shifts?

- Are you able to check production status from anywhere, at any time? The IQ suite is a management solution which has a 10 May 2022

Let's get to it: what happens beneath the surface when companies talk about innovation – and they do it a lot? It's all clear as day:

direct connection to EFI printer data, and it gives business leaders powerful tools to handle their day-to-day production and administrative challenges. Plus, the

suite's EFI Go component helps to ensure that managers receive urgent updates wherever they are. At early user site Studio DAR in Bielsko-Biała, Poland, notifica-

tions from the mobile application allow managers and operators to keep the company's EFI Pro 32r+ roll-to-roll printer running as much as possible.

PILLARS OF BIANCALANI

no innovation is possible without a meticulous years-long organization and the last must always be innovative. That means creating a real virtuous circle. And the most secret of secrets is: don't give up. The pillars of Biancalani Textile Machinery are creativity, innovation and organization. We often talk about the first two concepts, as they are fuel and goal of any project by Biancalani. But let's not forget that they can and must be directed also towards finding real, effective solutions to improve a company's organization, i.e. to achieve better results with less effort, to optimize management and information flow and to keep up with the times and evolve. Finally, to have a clearer picture and set the right image of the company. We could call it a long-term, very strategic investment. As there's no organization without procedures to be followed, the first thing is surely to write them down, but then comes the most important part: procedures must be communicated in the right way, day after day, creating and expanding the team of people who believe in those procedures. Only if people feel strongly motivated they do apply procedures and thus company departments actually work together and go the same way. It's no picnic, as they say, but if you don't give up, the results will make the difference between old-school and innovative organization. Why should we call it a



very strategic investment, then? Simply because it ALL benefits from it: the management of lines assembling, the stock accounting, the ERP (Enterprise Resource Planning, management software that integrates business procedures and processes), the CRM, that is the Customer Relationship Management, a system where all the business negotiations are collected and monitored. And it all helps to make strategic decisions under tight deadlines. In fact, we live in a very peculiar historical period and the keywords are planning ahead in order to contain costs – currently a rather sensitive issue – and manage the supply of materials. Biancalani new management system makes sure

that the activity of departments is coordinated and traceable, thus making a thorough, systematic production planning actually possible right from the start of a new project. It is precisely the above-mentioned virtuous circle that can deliver enormous advantages plus one: the fact that the resulting working environment is totally out of this world. In fact, Biancalani departments communicate with one another frequently and lively: if someone comes up with an idea, they are listened to straight away and that is sort of a strong incentive making the difference between routine and dynamic work. It goes without saying that the ultimate goal is customer satisfaction, as Biancalani wants



to be available for clients from information request to after-sales service. Also and not least, Biancalani wants agents and service

centers worldwide to feel part of a close team as they are absolutely essential for creating such a different kind of innovation through

organization. That's exactly what happens beneath the surface.

DENIM ART FROM MEXICO

30.04.2022

BRÜCKNER POWER-FRAME HN SFP stenter at ARTE EN DENIM

ARTE EN DENIM extends its machine park with BRÜCKNER POWER-FRAME ARTE EN DENIM is a vertically integrated Mexican textile company with a history of more than 40 years. Based in Puebla, in the center of the country, the company delivers its products all over the country, to the United States and to the different seaports along the coasts of Mexico. ARTE EN DENIM is known for fast and punctual deliveries. For years, the company has been developing and producing high quality denim. From fibers, yarns and fabrics to casual wear, ARTE EN DENIM creates textile products of outstanding quality. The company's team of experts assists its customers with product design and development, as well as providing comprehensive denim treatment advice on wet and dry finishing, logistics and shipping, and offers other customized services to meet the needs of its domestic and foreign customers. ARTE EN DENIM's expertise and modern, high-quality machinery offer customers the perfect formula for developing, producing and marketing their design ideas.



ARTE EN DENIM employs more than 700 people, including textile engineers, textile designers and certified technicians. A well thought-out human resources development program encourages employees at all levels and contributes to their qualification, training and achievement of degrees in all professional fields. The company's goal is to achieve, with adequate profitability, not only the economic development of the company, but also a better quality of life for its employees. The company places a special emphasis on innovation, technology, textile developments, and fashionable

products for demanding customers such as Workwear Outfitters and Dickies, which specialize in workwear, as well as the U.S. VF Corporation, one of the largest apparel companies in the world and the market leader in underwear, workwear, and backpacks. Reliable and trustworthy relationships with customers are one of ARTE EN DENIM's highest values. ARTE EN DENIM products include flat woven, piece dyed or yarn dyed fabrics, denim, PFD cotton and garments, mainly denim pants in the Work & Casual Wear segment. The collection includes the Rigida line, made of 100% cotton, which of-

fers robustness and durability in classic denim style, the Comfort line, made of 99% cotton and 1% elastane, and Stretch, which is made of cotton blends with polyester and 2% elastane. ARTE EN DENIM has chosen a first-class BRÜCKNER POWER-FRAME HN stenter with 2 padders for the production of its high-quality fabrics. The high drying and evaporation capacity of the stenter allows the fastest possible drying of cotton fabrics. Due to the high temperature accuracy in the BRÜCKNER machine, also synthetic fiber mixtures can be heat-set efficiently. The very homogeneous air flow and temperature distribution of alternately arranged thermo zones and the proven split-flow design

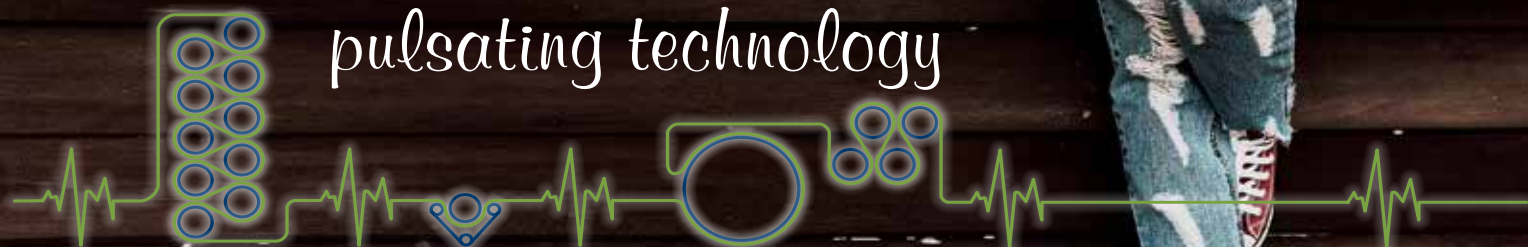
with separately adjustable upper and lower air were some of the features which convinced the customer. Reproducible finishing results and the robust construction which does not only guarantee a long service life of the machines but is also excellently suitable to withstand heavy denim fabric are further plus points for the BRÜCKNER stenter. ARTE EN DENIM is committed to the protection of the environment. This is expressed in its ambitious water recycling system, an environmentally friendly substitution of chemicals as far as possible and a firmly anchored culture of environmental protection in the whole company. In this context it goes without saying that the new BRÜCKNER stenter is

equipped with a heat-recovery system (WRG). This system uses the exhaust air heat from the drying process for heating fresh air. The BRÜCKNER ECO-HEAT back-pack heat-recovery system sits directly on the stenter frame and therefore does not need a separate steel structure. The system is equipped with several cassette-type heat exchangers which can be easily removed for cleaning or maintenance purposes. ARTE EN DENIM is highly satisfied with this high-tech machine which offers best technology, allows an easy control of all necessary parameters and ensures low maintenance costs and appreciates BRÜCKNER as an innovative and reliable partner.



Tailor-made solutions
for denim finishing...

...with
pulsating technology



Our focus in denim finishing is minimizing the use of chemicals, energy and process time while retaining impeccable fabric quality.





MONFORTS AT TECHTEXTIL SHOWCASING ITS FINISHING AND COATING TECHNOLOGIES

09-05.2022

The Techtextil and Heimtextil Summer Special exhibitions, taking place together in Frankfurt from June 21-24, represent an opportunity for Monforts to showcase its finishing and coating technologies for two of its major markets – especially at a time when energy prices continue to soar for textile manufacturers in Europe. Existing customers of Monforts include many manufacturers in the field of home textiles, as well as those making geotextiles, automotive fabrics and other functional materials – all of whom will be well represented in Frankfurt this June. Dedicated Montex lines have also been supplied to producers of airbags, flame retardant barrier fabrics and spacer fabrics, as well as high-temperature filter materials. Energy prices are rising steeply everywhere and a particular emphasis for Monforts in Frankfurt will be on the energy and heat recovery that can be achieved with Montex stenters, through features such as better insulation of the treatment chambers or the MonforClean system, in which waste heat from the drying process is used to pre-heat

the drying air resulting in a radical reduction in the conventional heat supply required compared to gas and thermal oil heating. The modular system for heat recovery can also be extended for exhaust air cleaning and odour elimination. Monforts can provide a range of further resource-saving and energy recovery options tailored to each individual line installation including modification of the heating source. With the Qualitex 800 visualization software, all article-specific settings can be stored and the formulations for thousands of treatment processes called up again at any time. Individual operators can also personalise their dashboards with the most important machine functions and process parameters. The Qualitex 800 system is available for the automatic and continuous operation of the company's Montex stenters, as well as its Thermex continuous dyeing ranges, Monfortex shrinking systems and Montex®Coat coating units. Monforts Montex®Coat coating units serve an equally diverse number of markets, including tents, tarpaulins and awnings, black-out roller blinds and

sail cloth, automotive interior fabrics and medical disposables. Full PVC coatings, pigment dyeing or minimal application surface and low penetration treatments and solvent coatings (in explosion-proof conditions) with knife coating, roller coating or screen printing can all be accommodated with this system. All of these very different materials require coating and finishing for maximum efficiency, using Monforts technologies which provide the ultimate in flexibility and the ability to switch quickly from one fabric run to the next, without compromising on the economical use of energy or raw materials. The Monforts EcoApplicator offers further potential for sustainably achieving perfect finishes via a precise direct application system, as an alternative to conventional padding – where fabrics are immersed in a bath of the required finishing chemicals. It can significantly further reduce the energy and water required and finishes can be applied on just one side of the fabric, or both, and even separately on each side, to be sealed in place via different heating zones in the stenter.

MIMAKI WITH LATEST TECHNOLOGY FOR SIGN AND TEXTILE INDUSTRIES AT FESPA 2022

05.05.2022

Mimaki Europe will be showcasing

its latest innovative technologies and connecting with customers at

FESPA 2022 Global Printing Expo (May 31st – June 3rd Berlin). Fol-



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Following the success of FESPA 2021, Mimaki will return as a gold sponsor for this landmark industry event. With a host of new solutions released this year, FESPA 2022 will be the first opportunity for Mimaki to demonstrate these printers and cutters at an international event and further explain the many benefits they offer sign and textile printing companies.

In the Spotlight Standout technology on show includes the new 330 series, consisting of the JV330-160, the CJV330-160 and the TS330-1600. Launched during the company's Global Innovation Days event, the 330 Series leverages Mimaki's cross-platform strategy, to offer a high-end yet cost effective printing solution across several sectors. The eco-solvent inkjet printers, the JV330-160 and CJV330-160, boast innovative features such as the new

media changer that allows three rolls of media to be loaded simultaneously, and the XY slitter, which provides in-line X-axis and Y-axis sheet-fed cutting. The TS330-1600, which will make its international tradeshow debut at FESPA, is a sublimation printer with an improved take-up system and optional additions to further increase efficiency, including a 10kg ink tank supply unit and a mini jumbo roll unit. Additionally, FESPA visitors will see Mimaki's all new CG-AR cutting plotter. Urbanising FESPA 2022 In line with FESPA 2022's tagline, 'Experience print in motion', Mimaki's stand will bring a vibrancy to the show, by demonstrating real-world applications alongside the machines that created them. This year will see Mimaki's stand convey the streets of Berlin in its design, and urban inspired works by designers,

including Nicky Nahafahik and Xavier Protano, all printed using various Mimaki's printing technologies and displayed on the stand - allowing visitors experience Berlin from inside the Messe Berlin halls. Mimaki will also join forces with Dutch designer Tessa Koops to create a selection of unique fashion items, after their successful collaborations in 2019. **Celebrating Customer Success** As a centrepiece of Mimaki's stand, the customer gallery will return to FESPA 2022, showcasing and celebrating customer samples and testimonials. There will also be live demonstrations of Mimaki's latest technologies in dedicated sign, UV and textile application areas. The latest UV printers on display include the UJV100, and the JFX and UJF series. The acclaimed 3D printer, the 3DUJ-2207, will also return to FESPA this year to showcase the



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many high-quality, full-colour models, including figurines, scale models and prototypes, achievable with this cost-efficient, entry-level printer. To answer questions about the applications and Mimaki technologies, hospitality and meeting areas will provide space for one-to-one conversations with Mimaki experts.

Altun Tekstil acquires weft straighteners from Mahlo

Turkish company Altun Tekstil, a manufacturer of home textiles and upholstery fabrics, has ordered a total of five of the latest Orthopac RVMC-15 weft straighteners from Mahlo.

05.05.2022

The production of textured yarns, weaving and raschel knitting as well as dyeing and finishing is included in Altun's operations. While the focus is on tulle curtains and upholstery, the company's fabric range also encompasses a wide variety for apparel. When investing in the future, Altun Tekstil has consistently trusted in Mahlo and has installed 10 Mahlo Orthopac RVMC-15 weft straighteners in its two

plants since 2016. Lowest residual distortion at highest speed All the Mahlo weft straighteners Orthopac RVMC-15 are integrated into existing production lines. Mahlo's latest weft straightener is fit to interact and communicate via the newly mSmart concept with all production lines and provide historical data, which help to improve the produc-

tion processes. The fully integrated units benefit from universal control technology and the intuitive Mahlo mSmart G15 visualization concept. The HMI has been optimized for userfriendliness. The visualisation concept is constantly enhanced and ready for Industry 4.0. The path to a digital future within Altun is prepared.



REAL ENERGY SAVINGS ARE MORE IMPORTANT THAN EVER, SAYS MONFORTS

THE TECHTEXTIL AND HEIMTEXTIL SUMMER SPECIAL EXHIBITIONS, TAKING PLACE TOGETHER IN FRANKFURT FROM JUNE 21-24, REPRESENT A WELCOME, ONCE-ONLY OPPORTUNITY FOR MONFORTS TO SHOWCASE ITS ADVANCED FINISHING AND COATING TECHNOLOGIES FOR TWO OF ITS MAJOR MARKETS – ESPECIALLY AT A TIME WHEN ENERGY PRICES CONTINUE TO SOAR FOR TEXTILE MANUFACTURERS IN EUROPE.

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European-built Montex stenters have earned their leading position on the market for fabric finishing due to their robustness, reliability and economy. Existing customers include many manufacturers in the field of home textiles, as well as those making geotextiles, automotive fabrics and other functional materials – all of whom will be well represented in Frankfurt this June. Dedicated Montex lines have also been supplied to producers of airbags, flame retardant barrier fabrics and spacer fabrics, as well as high-temperature filter materials. Energy prices are rising steeply everywhere and a particular emphasis for Monforts in Frankfurt will be on the energy and heat recovery that can be achieved with Montex stenters, through features such as better insulation of the treatment chambers or the MonforClean system, in which waste heat from the drying process is used to pre-heat the drying air resulting in a radical reduction in the conventional heat supply required compared to gas and thermal oil heating. The modular system for heat recovery can also be extended for exhaust air cleaning and odour elimination. Monforts can provide a range of further resource-saving and energy recovery options tailored to each individual line installation including modification of the heating source.

“Montex stenters provide maximum efficiency, the ultimate in flexibility and the ability to switch quickly from one fabric formula to the next,” says Monforts Textile Technologies Engineer Jonas Beisel. “The easy to use human-machine interface (HMI) makes the operation of the line much simpler and cuts down the necessary training periods, while at the same time reducing the chance of human error.” With the highly intuitive Qualitex 800 visualization software, all article-specific settings can be stored and the formulations for thousands of treatment processes called up again at any time. Individual operators can also personalise their dashboards with the most important machine functions and process parameters. The Qualitex 800 system is available for the automatic and continuous operation of the company’s Montex stenters, as well as its Thermex continuous dyeing ranges, Monfortex shrinking systems and Montex®Coat coating units. Monforts Montex®Coat coating units serve an equally diverse number of markets, including tents, tarpaulins and awnings, black-out roller blinds and sail cloth, automotive interior fabrics and medical disposables. Full PVC coatings, pigment dyeing or minimal application surface and low penetration treatments and solvent coatings (in ex-

plosion-proof conditions) with knife coating, roller coating or screen printing can all be accommodated with this system. All of these very different materials require expert coating and finishing for maximum efficiency, using Monforts technologies which provide the ultimate in flexibility and the ability to switch quickly from one fabric run to the next, without compromising on the economical use of energy or raw materials. The Monforts EcoApplicator offers further potential for sustainably achieving perfect finishes via a precise direct application system, as an alternative to conventional padding – where fabrics are immersed in a bath of the required finishing chemicals. It can significantly further reduce the energy and water required and finishes can be applied on just one side of the fabric, or both, and even separately on each side, to be sealed in place via different heating zones in the stenter. This allows endless differentiation possibilities. “Both home textiles and textiles for a wide range of technical applications are key end-use markets for our technologies, making the joint Techtexsil and Heimtextil shows a stand-out event in 2022,” says Monforts Managing Director Stefan Flöth. “We are looking forward to reconnecting with customers old and new in Frankfurt.”



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Jonas Beisel and the team look forward to reconnecting with you in Frankfurt



The Monforts EcoApplicator enable perfect finishes via a precise direct application system, as an alternative to conventional padding.



European-built Montex stenters have earned a leading position on the market for fabric finishing.



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BOGNER PRESENTS FIRE+ICE FALL WINTER COLLECTION 2022



12 May 2022

For the autumn/winter season 2022, FIRE+ICE is further developing both sides of BOGNER's collection: function and performance. Bold colors, modern prints, technical materials and fashionable silhouettes create looks for luxurious fashion metropolises as well as mountain resorts. The collection presents new versions of the characteristic FIRE+ICE ID jackets made of recycled fibers.

The ski touring styles are multifunctional garments for all active outdoor activities: Whether ski touring, skiing, cross-country skiing or hiking, the focus is on the right support, fit and equipment to stay cool on the ascent and warm on the descent. The signature mix of freeride attitude and contemporary urban style creates casual "urban outdoor pieces" with a technical twist.

ADIDAS AND GUCCI SHOWCASE THEIR COLLECTION

11 May 2022

Designed by Creative Director Alessandro Michele, adidas x Gucci merges the emblems of the House with those of the iconic sportswear brand. The collection

expands on the sartorial streetwear creations that debuted on the runway with a spectrum of sport-inspired pieces, distinguished by the same kaleidoscopic aesthetics of the show.



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To present the selection, Alessandro Michele envisioned a series of images inspired by archival catalogs as a cast of characters strikes dynamic poses against brightly colored backdrops alongside sporty props, captured by photographer Carlijn Jacobs. With the heritage of both brands encoded in a trio of lines, a fixation on stripes plays out across ready-to-wear pieces that echo the silhouettes of athletic staples and leisurewear. Track pants feature the white Three Stripes of adidas on one leg, while the other is defined by the red and green Web of Gucci. Energetic prints portray how motifs like the adidas Trefoil and GG monogram find synergy to amplify two legacies. Conventionally formal pieces like leather heels, suede loafers, and silk scarves enter hybridized territory as well, as they are marked with casual codes. Similarly, retro aesthetics become intrinsically contemporary as they proclaim there are no rules when it comes to dressing up. Reflecting a shared commitment to innovation, progress, sustainability goals and collective action, the



CROPS
CBD Hemp
(Europe)



INPUTS
stalks / stems
(Residue)



OUTPUT
CBD Hemp BioFibre™
(Dry Refined)

LCA Impact Data

Agraloop™ CBD Hemp BioFibre™ DryRefined (EU) vs Conventional Hemp, Linen, and Cotton

LCA (Life Cycle Assessment) Impact Data	100% Agraloop™ BioFibre™ (EU Dry Refined)	% Savings vs Conventional Hemp	% Savings vs Conventional Linen	% Savings vs Conventional Cotton
 Global Warming (kg CO2 eq)	1.31	53% Less	48% Less	32% Less
 Water Consumption (Liters)	0.16	100% Less	99% Less	100% Less
 Water Scarcity (m3)	0.00	100% Less	100% Less	100% Less
 Eutrophication (PO4 eq)	0.01	76% Less	72% Less	6% Less
 Resource Depletion Fossil Fuels (MJ)	12.81	53% Less	50% Less	*7% More

Agraloop LCA by SCS Global compared to HIGG Index data for conventional hemp, linen, and cotton.

* The HIGG Index assesses cotton fiber processing impacts up to and including the ginning process. Subsequent carding and combing processes in preparation for spinning are not accounted here yet. Agraloop BioFibre processing impact data includes carding and combing in the fiber processing step where it is not included in cotton processing.

Naveena has teamed up with Circular Systems in a unique collaboration that transforms agricultural crop left-overs into scalable, high-value natural fiber denim fashion products with their Agraloop™ technology. Our BIOTECH fabrics are made with natural fibers derived from CBD hemp crops and re-

fined into textile-grade fiber called Agraloop™ BioFibre™. A new natural fiber refined with a waterless process The CBD Hemp BioFibre™ is DryRefined, which uses nearly zero water to manufacture the fiber. With a specialized processing technique, cellulose fiber from stems and leaves are purified into

soft fiber bundles ready to spin into yarns. Left-overs from crops are sometimes burned, left to rot, or used in low-value industrial applications. The Agraloop™ allows these feedstocks alone to potentially fulfill more than 3X current global fiber demand.

OFFICINA39 RETURNS TO BANGLADESH DENIM EXPO WITH LATEST SUSTAINABLE DEVELOPMENTS

10 May 2022

Officina39 will attend the Bangladesh Denim Expo in Dhaka on 10-11 May, a new edition after a two-year break, characterized by a focus on sustainability and the central

theme “Beyond Business”. Officina39 has been committed for years to the reconversion of the sector’s technologies to an environmental point of view: this attitude is expressed in its latest Trustainable™

collection FW 23, based on the approach of honesty, transparency and social responsibility that drives the company. Aqualess Fade completes and integrates Aqualess Mission, a combination of technologies



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that allows garment laundry processes to reduce 75% of the water use. Until now, the process included three eco-friendly technologies: Novascraper Indigo, a laser finishing technique that adds a natural, vintage look to denim garments; OZ-ONE Powder, an advanced product to give garments a bleached yet eco-friendly treatment, for a worn and distressed look; and Aqualess Aged, a waterless compound to give denim abrasion effects. Specifically, this last revolutionizing product has recently marked an important achievement which adds to the company's sustainable credentials: Officina39 received, for its Aqualess Aged, the DeniSafe® certification of enzyme product(s) by Novozymes for safe production and safe use through dry application. Bangladesh Denim Expo is also ideal for presenting the results of The Circle Book 2, the second chapter of a collective project gathering ten high-profile players of the textile supply chain. Officina39's Recycrom™ technology and the expertise of Meidea, Lenzing, Tejidos Rojo, Calik Denim, Ribbontex, Spring85, Dr. Bock Industries, Crafil and RGT have merged together on the development of CULTURE.IN, a circular capsule collection transparently made from recycled and degradable materials: a practical demonstration of how the fashion industry can improve considering social and environmental impacts and goals.



BOGNER: HIGH SUMMER 2022 COLLECTION

29.04.2022

The BOGNER High Summer 2022 collection is inspired by the life on the amalfi coast in Italy - luxurious comfort, understated glamour and the typical BOGNER loose elegance. High summer color shades meet new, natural materials for a cool look when it's hot outside. Colorful and comfortable for women in iconic blousons and jackets in memory nylon, a selection of sporty and luxurious shorts in leather, colored denim and terry or summer dresses with unique prints and silhouettes. For men, 100% merino wool jackets, loose suits, outdoor jackets and beach shirts are available for a cool look that conveys subtle glamour and sporty touch.



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ISKO PARTNERS WITH PAOLO GNUTTI FOR LUXURY DENIM

28.04.2022

ISKO joins hands with Paolo Gnutti to break exciting new ground in the world of premium, luxury denim. Both will respectively bring together their expertise in advanced responsible denim technologies and refined fabrics' elevation, resulting in special ISKO™ Luxury collections by PG, characterized by a high-end appeal. ISKO is thrilled to collaborate with Paolo Gnutti, one of the most respected personali-

ties among the denim community." claimed Marco Lucietti, Director of Strategic Projects, ISKO. "It is a wonderful moment for us to inspire the whole industry with the most revolutionary technological innovations, highly profiled to the unique needs of the luxury segment and we know that Paolo's creative touch will bring out the very best of ISKO denim's qualities." "The collaboration with ISKO is exciting on so many levels" explains Paolo

Gnutti, PG founder. "The company pioneers game-changing technologies in quality, performance and sustainability for the world of denim which is extremely interesting for me to explore for the luxury aesthetic. We will be working with new and exclusive fabrics that will bring a unique twist to the world of fashionable luxury denim. Together, we will really energize the premium sector."

CONE DENIM LAUNCHES U.S. GROWN HEMP DENIM COLLECTION WITH BASTCORE

24.04.2022

Cone Denim®, a leader in denim authenticity and sustainable innovation, launches a new U.S. grown hemp denim collection in collaboration with expert hemp processing innovator, BastCore. Cone is excited to expand its sustainable denim offerings and increase its support of the American agriculture industry, featuring denim made with Alabama hemp and U.S. cotton and dyed with natural indigo grown in Tennessee. Cone Denim is honored to partner with BastCore, a team that aligns with Cone's values and its commitment to innovation, quality, sustainability, and traceability. The pioneers at BastCore have created patent-pending technology and a

proprietary process that produces clean, mechanically processed, OEKO-TEX® STANDARD 100 certified and USDA bio-preferred hemp fiber out of its operation in Montgomery, Alabama. Cone's U.S. Hemp Collection includes a range of fabrics featuring classic 3x1 and comfort stretch to modern workwear constructions. The collection further expands upon Cone's sustainability and traceability practices, driving the future of the industry. The proximity of the hemp, indigo, and cotton crops in the U.S. to the company's mills in Mexico is also key in creating the smallest environmental impact and footprint possible. Hemp offers many key benefits in creating the next level of sustain-

able denim:

- More than 50% water savings occur, compared to cotton
- No chemicals, wet processing, pesticides, or herbicides are used
- Hemp grows in a variety of soils with excellent biodegradability, is antimicrobial, has high tensile strength, moisture regain content, and tenacity
- Hemp and natural indigo crops have high rates of carbon sequestration, which ultimately benefits the environment and improves the soil's health for other crops (climate positive)



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VERDANT INNOVATIONS LAUNCHES LINE OF GREEN SPECIALTY CHEMICALS



17 May 2022

Verdant Innovations presents its first line of specialty green sustainable chemicals, primarily focusing on the pulp, textiles, nonwovens, and hemp sectors, in response to broad developments in the specialty chemical innovation field and the need for green and sustainable consumer products. Celulose Solutions will entirely control the new firm, which will distribute all green solutions as the company develops further chemical solutions to satisfy the demands of all clients involved in the development and distribution of consumer products. Allan P. Short, president and founder of both Cel-

lulose Solutions and Verdant Innovations, said that the mission of Verdant Innovations is to provide chemical formulations designed specifically for individual product types and to assist brands, retailers, and manufacturers in delivering safer products for humanity and the environment. Verdant Innovations chemicals are manufactured with plants, soil, and natural energy derived from the earth's resources and are developed for a circular economy — from production and treatments through replacement back into the ground free of all known and suspected dangerous components.



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NILOYA BECOMES A GUEST IN THE CHILDREN'S ROOM

NILOYA, THE CARTOON CHARACTER LOVED BY CHILDREN, IS ON ÖZDILEK HOME TEXTILE LICENSED SINGLE CHILD BLANKETS



12 May 2022

As in the cartoon about the fun adventures of a little girl, Niloya, who plays games in the greenery, and the turtle-friendly Tospik are also included in the blanket model with all her cuteness. Niloya Bahar Licensed Single Children's Blanket, which will wrap children in

cool weather with its soft and warm structure, is ready to take its place in the little ones' room. Niloya Spring Licensed Single Children's Blanket can be provided from Özdilek Home Textile stores, Özdilek AVMs, the online shopping site and from Özdilek dealers at authorized sales points.

PARACHUTE INTRODUCES FIRST COLLECTION MADE FROM ORGANIC COTTON

HOME COMPANY FURTHERS COMMITMENT TO CONSCIOUS CONSUMPTION WITH NEW ORGANIC COTTON COLLECTION, CRAFTED BY EXPERTS IN NEW NATURE-INSPIRED COLOR PALETTE.



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6 May 2022

Parachute, the premium multi-category lifestyle brand that makes you feel at home, today launched the company's first Organic Cotton Collection. Almost all of the products in the 22-piece collection are Global Organic Textile Standard (GOTS®) certified. The collection is a reflection of Parachute's commitment to a more responsible supply chain, while offering premium quality, natural fiber home essentials. The Organic Collection will feature sheeting, duvet covers, quilts, throws,

bath towels, a robe and loungewear – made by expert craftspeople from around the world using the softest, sustainably grown, organic cotton. Pieces in the collection that are GOTS® certified ensure that the entire supply chain, from cotton gin to finished product, meets stringent ecological and social criteria set by the GOTS® organization and that harmful chemicals and dyes are not used. GOTS® is considered the gold standard for organic cotton certification.

FLOR INTRODUCES FIRST CARBON NEGATIVE AREA RUGS

FLOR, A HIGH-END AREA RUG BRAND FOR HOMES, OFFICES, AND EVERY SPACE IN BETWEEN, TODAY INTRODUCES THE FIRST-EVER CARBON NEGATIVE AREA RUGS AS PART OF ITS SPRING COLLECTION.

Inspired by nature, these area rugs pair an on-trend design with a low environmental impact, resulting in a finished product that brings together durability, beautiful design and a negative carbon footprint. Three carbon negative area rug styles – Peninsula, Stratosphere and Hemisphere – take cues from nature and its forms, evident in their design and ability to store more carbon than they release all the way from raw material

extraction through manufacturing or what is known as cradle-to-gate. This innovation does not include the purchase of carbon offsets which FLOR also does for the remainder of the product's life cycle. This launch is the latest step in FLOR's journey to do business in ways that give back whatever is taken from the Earth.



BEDROOM DECORATION RECOMMENDATIONS SUITABLE FOR SUMMER



7 May 2022

With the arrival of summer, seasonal decorative changes in living areas are again on the agenda. While the flurry of summer decoration in homes gains momentum, bedrooms where all the fatigue of the day is relieved are also ready for the new season with this change. Those who want to spend the entire summer in peace are looking for ways to recreate their bedrooms with small touches. Cotton Box, which has been serving in the home textile sector for more than forty years, offers decoration suggestions that will give summer excitement in bedrooms.

You can take advantage of the power of colors

Work can be started by using vibrant colors in decoration to reflect the summer spirit of the bedrooms. The energy of the space can

be quickly amplified by decorating it with colors reminiscent of summer, such as blue, green, pink and yellow. Those who want to create a simpler space can include products designed with pastel shades such as powder, mint green and beige. In addition, light tones that help the environment look more spacious by adding depth to where it is located also take its place at the beginning of the preferred colors in summer. You can use patterns and accessories that are reminiscent of summer. The summer spirit can be felt at its deepest by using the patterns and accessories that come to mind when it is called summer in bedroom decoration. Seashells may prefer duvet covers or pikes with minimal patterns such as sails and starfish. However, by hanging a picture with a sea view on the wall or placing small summer-themed accessories

on the nightstand, an atmosphere can be created as if you are on the seaside. **Don't forget to choose cotton textiles** The most important issue when creating bedroom decoration in summer is the selection of textile products. One hundred percent cotton and breathable fabric designs should be preferred for a quality and hole-free sleep in summer temperatures. Cotton products that absorb moisture in a short time and trap sweat provide the user with a healthy sleep experience, thanks to its soft structure, it offers comfortable and comfortable sleep throughout the summer. Satin fabrics can also be preferred. Another alternative after cotton textiles for the summer months is satin fabric products... Satin duvet covers, which are processed by a frequent weaving technique using cotton yarns made of extremely fine

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fibers, are often preferred in summer due to their refreshing structure. Mako-satin fabrics, especially used for duvet cover sets, create a comfortable sleeping environment

thanks to its glossy and flat fabric. At the same time, satin fabric duvet covers made of one hundred percent cotton yarn, which add a stylish air to the bedrooms thanks to

its glossy surface, are highly appreciated both in terms of appearance and usage.

ANNE KLEIN DEBUTS A NEW HOME COLLECTION



6 May 2022

Anne Klein Home Collection Debuts at Macys.com The namesake founder's design archives and legacy of creating beautiful, welcoming homes where she hosted countless guests at her Connecticut country home, West Hampton's beach house, and Manhattan downtown apartment with a pool in its entry, serve as inspiration for the collection. There are few designers who changed the course of American fashion, but it was Anne Klein's revolutionary idea to offer women a complete wardrobe of coordinated pieces. Now the

Anne Klein Home collection is a complete wardrobe for the bed with classic design that is as timeless as the founder's vision. "We are excited to bring the bed and bath categories to Anne Klein and expand the brand's presence at leading omnichannel and DTC retailers," said Effy Zinkin, Chief Operating Officer at WHP Global, which owns the Anne Klein brand. "The launch of the Home collection is a testament to our mission of giving the Anne Klein consumer even more ways to experience and shop the brand in a meaningful way."

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OURA INTRODUCES HIGH-TECH ALTA TOWEL



6 May 2022

Alta offers self-sterilizing and germ-eliminating features to deliver a towel that never gets musty Business Wire / OURA, known for infusing high-tech solutions into everyday products, announces its latest wellness-promoting antimicrobial lifestyle product, the Alta towel. Engineered with CottonX, a proprietary fiber and textile technology, Alta eliminates bacteria, mold and musty aromas by self-sterilizing and killing bacteria on contact. Purchase of these cutting-edge towels also supports children in need, with a portion of proceeds set aside to grant the wishes of childhood cancer patients. “Most people are familiar with the smell of an old musty

towel, but most are not aware that these odors – no matter how faint – are caused by mold and bacteria that love to grow on moist, damp fibers,” said Keane Veran, co-founder and CEO of OURA. “OURA designed the Alta towel to protect individuals by killing microbes before they get a chance to grow, providing a clean, fresh feeling after every single use. We are proud to provide a better solution for consumers and are passionate about our work as advocates for healthier choices and promoters of overall wellbeing.” The Alta towel’s CottonX technology is antimicrobial, compliments of copper-infused fibers that self-sterilize and deodorize by breaking down odor-causing molecules and

killing 99 percent of bacteria and mold. The technology relies on pure copper oxide permanently embedded into every 100 percent long-staple cotton of these new towels—ensuring they maintain efficacy over the test of time even after 100+ washes. Super absorbent densely packed cotton fibers wick away moisture instantly and are ultra-plush with a soft, luxurious feel that is ideal for those with sensitive skin. Plus, they are hypoallergenic, eco-friendly and crafted to last. The unique properties of the Alta towel have also been scientifically proven to promote skin health and elasticity.

HUNTSMAN INTRODUCES BLUE FORMAZAN DYE ENSURING LONGER LASTING TEXTILES



NOVACRON® ATLANTIC EC-NC

New unique trichromatic blue for all exhaust and continuous applications covering light, chlorine and gas fading fastness.

Huntsman Textile Effects has introduced NOVACRON® Atlantic EC-NC, one of the industry's first blue elements that delivers chlorine- and nitrogen oxide (NOx)-fastness alongside lightfastness for textiles, ensuring garments to look as good as new for longer. The NOVACRON® Atlantic EC-NC blue element completes Huntsman Textile Effects' Non-Contrasting Concept and addresses the challenges faced by mills to deliver:

- Improved light-, perspiration- and chlorine-fastness

Ideal for the production of light-medium shades of towels and bedding

and T-shirts, shirts and trousers, the dye meets the most stringent home laundering program requirements of US and Japanese brands, and also performs well in other markets where chlorine is added to water supplies.

- High NOx resistance
NOx present in the air makes textile products more susceptible to fading during transportation, storage and retail display. The high NOx resistance of NOVACRON® Atlantic EC-NC enables mills and brands to achieve positive differentiation with textiles that are less likely to fade.

- Operational excellence

With unique application properties for both exhaust and pad processes, and outstanding compatibility with all other trichromatic dyes, NOVACRON® Atlantic EC-NC is a breakthrough in right first-time production. The innovative IP-protected NOVACRON® Atlantic EC-NC dye is also a great addition to the successful NOVACRON® NC concept for earth tone colors. The earth tones – from sand to brown, olive, beige, khaki and grey – are popular in casual wear and sports apparel, as well as for home and hospitality textile products such as furnishing, towels and bedding.

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STAHL RELEASES ANNUAL ESG REPORT WITH FOCUS ON SUSTAINABILITY AND TRANSPARENCY

10 May 2022

Stahl, an active proponent of responsible chemistry, has published its 2021 Environment, Social, and Governance (ESG) Report. The report outlines the company's sustainable development ambitions and its achievements over the year. It also features Stahl's ambitious climate mitigation targets for 2030, such as the transition to more renewable feedstocks. The 2021 Stahl ESG Report is a cornerstone of Stahl's commitment to reporting transparently on its progress toward a more sustainable chemicals value chain. This acknowledges the important role that industry must play in tackling climate change while enabling a higher quality of life for more people. A key focal point of the new report is a progress update on Stahl's ESG Roadmap. Introduced last year, this ten-year plan outlines the com-

pany's ESG commitments and targets for 2023 and 2030.

Climate action

Stahl is focused on mitigating climate change by reducing greenhouse gas (GHG) emissions from all activities over which it has influence. This includes investing in renewable energy and process efficiencies to lower the GHG emissions caused directly by Stahl's own operations and the energy used to power them. On this point, progress was made toward the 2023 and 2030 targets in 2021, including a reduction in Scope 1 and 2 CO₂ emissions of 15%. Also covered are Stahl's indirect value-chain impacts, for example, from the raw materials it buys. Looking beyond Stahl's direct environmental impacts and fostering greater supply-chain transparency will be vital for tackling emissions on a wider scale.

Creating responsible chemistry, together

In 2021, advances were made regarding the company's diversity and safety targets, which are areas of continuous improvement. Stahl is committed to ensuring a safe working environment, as well as nurturing a diverse and inclusive workplace to continuously improve employee skills.

EcoVadis Gold rating

Fostering ethical behavior through exemplary leadership and governance is key to Stahl's ambitions. Achieving the EcoVadis Gold rating was an important milestone in this respect. This well-established award reflects the company's ongoing commitment to supply chain transparency and working with partners to improve the sustainability of its products and operations.

DOMO CHEMICALS EXPANDS PRODUCTION CAPACITY OF TECHNLYL POLYAMIDE IN CHINA

28.04.2022

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name; DOMO will be pushing forward its expansion plan of high-performance polyamides in China

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sustainable future DOMO Chemicals announced a long-term investment plan in China to continue expanding its production capacity of TECHNYL® high-performance polyamides. This plan aims to meet growing demand in the automotive, electrical & electronics, and industrial consumer goods industries, and help build a sustainable future. DOMO Chemicals acquired Solvay's Performance Polyamides business in 2020 and has sold the TECHNYL® products globally since February 1, 2022, including in China, one of the company's key strategic markets. The global demand for polyamide materials is currently booming at a CAGR of up to 3 percent. The adoption of new energy vehicles (including pure electric, hybrid and fuel cell vehicles) is expected to reach 45 percent globally by 2030, and automakers are increasingly using sustainable materials to make components, which are key growth drivers of the polyamide market. In addition, the demand for miniaturized circuit breakers, contactors, plug switches, and other components in the electrical and electronics and industrial consumer goods industries further opens up the application potential for polyamide materials. DOMO Chemicals will continue to expand the capacity of its production site in Jiaying, Zhejiang



Province, which has been planned to be gradually introduced in three stages:

- Since March 2022, an additional 6,000 tons of capacity has been made available, with the plant achieving the total capacity of 14,000 tons of PA6 from April onwards.

- A 35,000-ton new plant in Haiyan is planned to be completed in the third quarter of 2023, in which DOMO Chemicals has invested more than 14 million euros (97 million yuan).

- Going forward, DOMO Chemicals will further expand the plant, gradually increasing its capacity to 50,000 tons.

In addition to the expansion, the plant will also use renewable energy wherever possible, adopt advanced water and air treatment technologies to reduce

water consumption and CO2 emissions, and fully comply with Health, Safety and Environmental Management System (HSE) regulations. DOMO Chemicals will improve HSE compliance continuously and work closely with the local government, while partnering with key local and global customers to accelerate innovation and development across a wide range of industries. TECHNYL® has been committed to helping customers improve their low-carbon competitiveness since its very first year in China. It allows OEMs and component makers in the automotive, electrical & electronics, and industrial consumer goods segments to create lightweight, durable, aesthetically pleasing, smart and environmentally-friendly products.

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HOW TO ENSURE THE BIODEGRADABILITY OF PRODUCTS?

To ensure that products are biodegradable and harmless to the environment, different test methods have been developed to determine the biodegradability of textiles.



The use of biodegradable textiles certainly reduces environmental impact, but what exactly do we mean when we speak of a biodegradable material? A biodegradable material is one that can break down in nature into natural chemical elements. This process may be the result of the action of biological agents such as plants, bacteria or animals, along with other physical agents such as the sun or water that transform the substances into compounds that serve as nutrients for the environment. There are more and more initiatives coming on

stream in which textile companies are using biodegradable materials, just as the consumer is also looking for environmentally friendly garments and textiles. Biodegradability can be established for a range of media. Biodegradability can be established for a range of media, and will differ depending on where the material ends up when it is disposed of: in the soil (burying), water (salt or fresh water), landfill (industrial or domestic compost) or sewage treatment plants (activated sludge). The biodegradation of the compounds can occur in two ways:

Aerobic biodegradation is the degradation of an organic compound into carbon dioxide, water, mineral salts and new biomass by the action of micro-organisms in the presence of oxygen. Anaerobic biodegradation is the degradation of organic matter through the joint action of various micro-organisms in the absence of oxygen. To ensure that products are biodegradable and harmless to the environment, different test methods have been developed to determine the biodegradability of textiles.

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MORE LOCALISED AND AUTOMATED TEXTILE MANUFACTURING WITH TMA'S TECHNOLOGIES



22 April 2022

At the forthcoming Texprocess, Techtextil and Heimtextil shows taking place in Frankfurt from June 21-24 – members of the Swedish Textile Machinery Association TMA will be showcasing a range of solutions aligning with the growing trend for more localised and automated textile manufacturing. Digitalisation and the push for more sustainable, shorter and less expensive supply chains are currently making manufacturing in high-cost countries within Europe more attractive

and there have been many other contributing factors to this over the past two years. The Covid-19 pandemic exposed the vulnerability of many countries to shortages of essential items like PPE while at the same time making the full exploitation of new digital options essential during national lock-downs and long periods of restricted travel. The escalating cost of global transportation, as well as the growth of online retailing and the associated benefits of on-demand digital manufacturing, are further reinforcing

the many benefits of short-run and near-shore new operations. Secure supply At Texprocess, for example, Eton Systems will be unveiling its latest Ingenious software solution which further enhances the company's Opta Unit Production System (UPS) introduced in 2021. "Our automated technology has already had a great impact on the productivity of thousands of garment production lines," says Eton's Managing Director Jerker Krabbe. "Our systems help producers across the world to reduce repetitive manual



tasks and increase efficiency, which evens out some of the differences between production in high and low-cost countries, making reshoring a feasible option. Creating a diversified production portfolio with a mix of production facilities, some closer to home, makes for a more secure product supply.” Flexibility Imogo meanwhile recently installed the first industrial scale dyeing system in Sweden for many years. The Dye-Max spray dyeing line has the potential to slash the use of fresh water, wastewater, energy and chemicals by as much as 90% compared to conventional jet dyeing systems. It is capable of carrying out the application of a wide range of fabric pre-treatments and finishing processes, providing users with unbeatable flexibility in production. Here in Scandinavia, we are currently seeing an explosion of companies developing sustainable new cellulosic fibres – many from waste clothing – but a problem is that all of the environmental benefits they deliver can potentially be lost in the further processing, and especially in conventional dyeing,” observes the company’s Founding Partner Per Stenflo. This year’s show will be no exception. The use of robotics is now standard across many industries dealing in solid goods, but the handling of soft materials such as textiles is a little more complex,” says Managing Director Christian Moore. “Nevertheless, it’s something we have successfully mastered, and our robotic systems are proving highly beneficial to their users. There is no ‘one-

size-fits-all’ solution when it comes to automation and our approach is always to carefully examine where it will make the difference in each bespoke system. A focus is on identifying and eliminating bottlenecks which will increase product flows.” During the Covid-19 pandemic, ACG Kinna drew on all of its automation know-how and extensive network of contacts to build a new nonwovens fabric converting and single-use garment making-up plant in a matter of weeks, in order to supply the Swedish authorities with urgently-needed medical gowns. Instant colour logy enables the high-quality and instant colouring of a textile thread while it is actually being used in production and can be paired with any existing embroidery machine without modification, while also making it possible to produce gradients in an embroidery for the first time,” explains VP of Sales Sven Öquist. Advanced rapid colour formulation software and high-speed drive technology allow a single needle to carry out what it previously required many multiples of them to do – and with much more consistent stitch quality. By instantly colouring a recycled white base thread during production, our system enables complete freedom to create unique embroideries without any limitations. Colour changes along the thread can either be made rapidly from one solid colour to another, or gradually, to make smooth transitions or any colouring effect desired. This provides big benefits when it comes to sustainability and design creativity.”

Milestone Svegea will be promoting its latest EC 300 collarett cutting machine at Texprocess 2022. This machine is used by garment manufacturers around the world for the production of tubular apparel components such as waistbands, cuff and neck tapes and other seam reinforcements. With its E-Drive 2 system and fully automatic FA500 roll slitter, the EC 300 has an output of around 20,000 metres per hour. “Advances in automation are only making the specialised, bespoke machines we engineer even more efficient and we are expecting a very busy year,” says Managing Director Håkan Steene. “The garment components our collarett cutters produce make it logical for them to be integrated into the operations of making-up operations, wherever they are.” he advanced yarn tension monitoring technologies of Eltex of Sweden meanwhile play an essential role in rectifying defects in weaving, tufting and composite reinforcement operations. We continue to make advances in both the hardware and software of our tension monitoring systems, such as the EyE™ for the warping process. With the EyE™, the yarn tension values from all yarns are continuously updated and displayed on screen. In addition, tension values outside the warning level are indicated both on the sensor’s LEDs and on the screen for complete quality control. No fabric can be woven without the appropriate and correct tension.”



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SCHAEFFLER GROUP STARTS NEW YEAR WITH GOOD FIRST QUARTER



10 May 2022

Schaeffler Group revenue grows by 1.9 percent at constant currency despite challenging market conditions

- EBIT margin before special items at 6.9 percent following strong exceptional prior year quarter (11.2 percent)
- Positive free cash flow before M&A activities of 14 million euros (prior year: 130 million euros)
- Automotive Technologies with 2.0 billion euros in order intake in E Mobility BD
- Cautious FY 2022 guidance

Birmingham, UK | May 10, 2022 | Global automotive and industrial supplier, Schaeffler, published its interim statement for the first three months of 2022 today. The Schaeffler Group's revenue for the reporting period amounted to 3,758 million euros (prior year: 3,560 million euros). The constant-currency increase in revenue of 1.9 percent is mostly attributable to price increases as the company was increasingly successful in passing the sharp rises in input costs on to the market. The Schaeffler Group continued to

benefit from its diversified set-up in the first quarter. While Automotive Technologies division revenue declined by 3.2 percent at constant currency, the Industrial division increased its revenue by 15.7 percent at constant currency. Automotive Aftermarket division revenue grew by 2.1 percent at constant currency. Constant-currency revenue in the Europe and Americas regions rose by a noticeable 4.4 and 3.5 percent, respectively. In the Greater China region, revenue was down 3.4 percent at constant currency versus the high comparable prior year



quarter challenged by the ongoing coronavirus pandemic. Asia/Pacific region revenue was up slightly, growing by 0.4 percent at constant currency. The Schaeffler Group generated 258 million euros (prior year: 397 million euros) in EBIT before special items for the first three months, resulting in an EBIT margin before special items of 6.9 percent (prior year: 11.2 percent). This change from the extraordinarily strong first prior-year quarter, which was marked by considerable catch-up effects related to the coronavirus pandemic, is mainly attributable to sharp increases in input costs that were partly passed on to customers. EBIT for the reporting period was adversely affected by 11 million euros (prior year: 15 million euros) in special items. EBIT amounted to 247 million euros (prior year: 382 million euros).

Automotive Technologies: 2 billion euros in order intake in E-Mobility BD

The Automotive Technologies division generated 2,293 million euros in revenue (prior year: 2,281 million euros) for the first three months. At constant currency, revenue decreased by 3.2 percent from the prior year. Besides the high base of comparison the decrease was primarily attributable to the persistently challenging environment in the automotive sector, with the decline in global automobile production caused by the sustained semiconductor shortages, the implications of the coronavirus pandemic, and the war in Ukraine resulting in decreasing customers' call-offs.

The division outperformed global automobile production of passenger cars and light commercial vehicles by 1.3 percentage points. The division's order intake was driven by 2.0 billion euros for BEV system applications in the E-Mobility business division (BD), which has thus already reached the lower end of the full-year target range (2.0 to 3.0 billion euros). The other business received a further 1.6 billion euros in orders for the division. Additionally, the E-Mobility BD generated the highest year-on-year revenue growth rate of 18.4 percent at constant currency. The Engine & Transmission Systems and Bearings BDs experienced constant-currency revenue declines of 5.9 and 7.6 percent, respectively. The Chassis Systems BD expanded by 11.6 percent at constant currency. While revenue changed only slightly in the Europe and Americas regions, which reported constant-currency growth of -1.9 and 0.3 percent, respectively, Greater China region revenue declined by 5.3 percent at constant-currency due to the still strained situation resulting from the coronavirus pandemic. The Asia/Pacific region reported a revenue decline of 8.3 percent at constant-currency. The division earned 80 million euros (prior year: 240 million euros) in EBIT before special items in the first quarter. The EBIT margin before special items for the reporting period was 3.5 percent, considerably below the extraordinarily strong prior year level of 10.5 percent. The main reason for this decrease were significantly higher

input costs that were only partially offset by adjustments to sales prices in the first quarter, as had been expected.

Automotive Aftermarket: EBIT margin before special items at 13.6 percent thanks to favorable one-off items

The Automotive Aftermarket division reported 463 million euros (prior year: 444 million euros) in revenue for the reporting period, representing constant-currency revenue growth of 2.1 percent. This growth was mainly attributable to a favorable impact from sales prices. Revenue grew considerably in all regions except Europe – the region generating the highest revenue – where revenue was down slightly, declining by 2.0 percent at constant currency partly due to missed sales in Russia and Ukraine toward the end of the first quarter. The Americas and Asia/Pacific regions expanded their Independent Aftermarket business in particular, providing these regions with constant-currency growth rates of 11.3 and 15.6 percent, respectively. The 9.8 percent constant-currency revenue increase in the Greater China region was mainly due to strong growth in e-commerce business. These developments resulted in EBIT before special items of 63 million euros (prior year: 58 million euros). This represents an EBIT margin before special items of 13.6 percent (prior year: 13.1 percent). The slight increase from the prior year is primarily attributable to favorable one-off items. Increased input costs that were not fully com-





compensated for by price adjustments had an offsetting effect.

Industrial: 15.7 percent constant-currency growth in first quarter

The Industrial division reported 1,002 million euros (prior year: 836 million euros) in first-quarter revenue, posting a very strong constant-currency revenue growth of 15.7 percent. Reporting a constant-currency increase of 26.2 percent, the Europe region generated very strong volume-driven growth, and the Americas and Asia/Pacific regions similarly generated considerable constant-currency revenue growth rates of 11.0 and 22.7 percent, respectively. The Greater China region experienced a heterogeneous trend resulting in a slight constant-currency revenue decline of 0.3 percent overall. Sales prices led to overall revenue increases at the Industrial division as well, as higher input costs were partly passed on to the market. Although the Industrial division was impacted by significantly higher input costs as well, it earned 115 million euros (prior year: 98 million euros) in EBIT before special items in the first three months. This represents an EBIT margin before special items of 11.4 percent (prior year: 11.8 percent).

Positive free cash flow

Due to lower EBITDA and an increase in working capital, first-quarter free cash flow before cash in- and outflows for M&A activities

totaled 14 million euros (prior year: 130 million euros). Free cash flow conversion was 0.1, and the reinvestment rate for the first three months amounted to 0.56. Net income attributable to shareholders before special items decreased during the first three months of 2022 compared to the prior year period, amounting to 144 million euros (prior year: 247 million euros). Net income attributable to shareholders was 136 million euros (prior year: 235 million euros), representing earnings per common non-voting share of 0.21 euros (prior year: 0.35 euros). The group's net financial debt amounted to 1,992 million euros as at March 31, 2022. The net debt to EBITDA ratio was 1.0x as at the end of March 2022 (end of December 2021: 0.9x). The gearing ratio - i.e. the ratio of net financial debt to shareholders' equity - decreased to approximately 54.4 percent (December 31, 2021: approximately 61.7 percent). The group employed a workforce of 83,089 as at the March 31, 2022, reporting date. Claus Bauer, CFO of Schaeffler AG, said: "The Schaeffler Group has once again demonstrated its resilience in the first quarter of 2022 and responded flexibly to the challenging environment. With our broad portfolio and our robust balance sheet structure, we can cope with the more complex external headwinds, while continuing to invest in our business and especially in our growth segments."

Cautious FY 2022 guidance

The Board of Managing Directors of Schaeffler AG has suspended the full-year guidance for 2022 for the Schaeffler Group and its divisions published on March 8, 2022, due to the developments in Ukraine and the resulting implications for the global economy since neither the future course of events nor their economic implications for the Schaeffler Group were reliably predictable. On May 9, 2022, the Board of Managing Directors of Schaeffler AG has agreed on a new full-year outlook for 2022 based on information currently available. The outlook is based on the assumption that global economic growth will slow down noticeably and that this will affect the Schaeffler Group's sales and procurement markets.

In its guidance for 2022, the Schaeffler Group expects the war in Ukraine and its significant economic consequences to adversely affect the Schaeffler Group's business over the course of the year. The Schaeffler Group's outlook reflects the extent of economic sanctions, impacts on supply chains, as well as the implications for both commodities and energy prices and the cost of transportation. The impact of the coronavirus pandemic on the Schaeffler Group's value chain is based on the assumption that economic activity in China will normalise by the end of June 2022.

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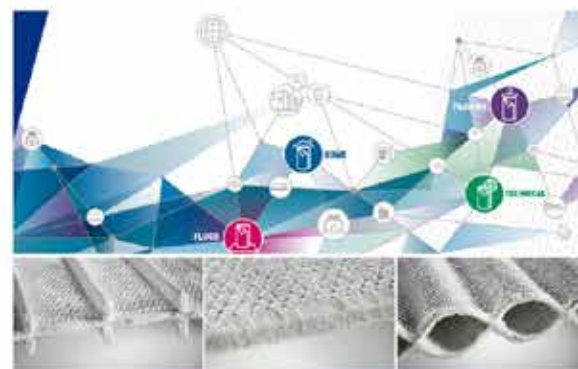
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